



# JOURNAL OF THE EAST AFRICA NATURAL HISTORY SOCIETY

Special Supplement No. 8

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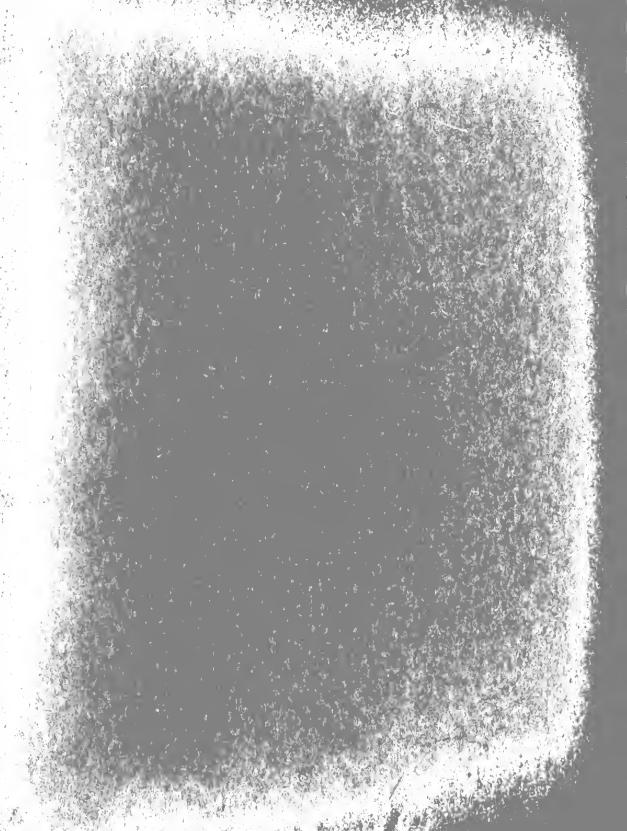
by

R. H. Carcasson F. R. E. S.

(Coryndon Museum, Nairobi)

With illustrations by the author.

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### **ACKNOWLEDGEMENTS**

The author would like to express his gratitude to Mssrs. Remington Rand of Nairobi for the loan of an electric tpewriter and to Mr.T.H.E.Jackson of Kitale, without whose Ifailing help and advice this work would not have been possible.

Thanks are also due to Mr.T.G.Howarth of the British Iseum of Natural History, to Dr. V.G.L. van Someren of Nairobi, t Col.H.F.Stoneham of the Stoneham Museum, Kitale, for the loan type material, to Dr.G.van Son of the Transvaal Museum, Pretoria, fr drawing the author's attention to a number of errors in the biginal manuscript, to Mrs.C.M.Carcasson for undertaking the lborious and exacting task of typing the manuscript in its fnal form and to Mr.N.P.Mitton of the Coryndon Museum for crections and suggestions.



## ABBREVIATIONS and SYMBOLS used in this work

ssp- subspecies	uns - underside
fw- forewing	$\delta$ - male
hw- hindwing	q - female

ups- upperside

GLOSSARY
- Tornus.
<ul><li>Vein arising from base of wing, below discoidal cell.</li><li>Portion of wing nearest to the body.</li></ul>
- Long hair-like scales at margin of wings.
<ul><li>Area of the wings immediately outside the discoidal cells.</li><li>Away from the centre of the insect.</li></ul>
- See Cilia.
- Area in front of head, between the eyes.
- Between two veins.

Palpi - Short projections below the head, between which the tongue is coiled.

Proximal - Towards the centre of the insect.

Subapical - Just inside apex of wing.

Submarginal - Just inside margin of wing.

Subterminal - See submarginal.

Subspecies - Local population which differs constantly or race from others, but not enough to be a species.

Terminal - Touching the margin.

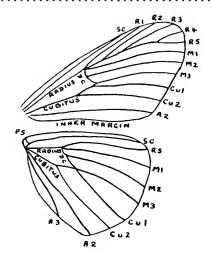
#### INTRODUCTION

The family <u>Acraeidae</u> consists of medium sized butterflies closely related to the <u>Nymphalidae</u>; they may be distinguished by the absence of an abdominal flap to the hw and by the invariably closed cell in both wings. The veins of the fw are never swollen at the base and there are no scent brushes or brands in the males. All the species are distastefu to vertebrate predators and many are important members of mimetic associations. The family is very well represented in Africa, (about 170 species); there are half a dozen species in the Oriental tropics and the small genus <u>Actinote</u> in South America. The females of some species develop a horny structure at the end of the abdomen after copulation, as in the Holoarctic genus <u>Parnassius</u> (<u>Papilionidae</u>). The larvae are cylindrical, usually spiny and often gregarious, particularly in the early instars. The pupae are elongated and slender, conspicuously coloured, but not marked with metallic spots. Numerous species feed on members of the family <u>Passifloraceae</u>.

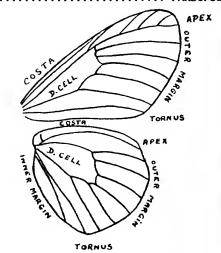
#### Key to the genera of East African ACRAEIDAE

Rl arises before end of cell in fw. Cell of hw longer than middle of wing ..... ACRAEA

Cell of fw oblique and not contiguous with costa. Ml and M2 have common origin ....... PARDOPSIS



Venation of the genus BEMATISTES



Venation of the genus ACRAEA

د

Genus BEMATISTES Hemming 1935 (= Planema Doubleday 1848)

The genus is confined to the forests of tropical Africa, being particularly well developed in the West coast and in the Congo basin. The species are medium sized to large and include a number of important models in several mimetic associations. There are 22 known species.

## Key to the East African species of <u>Bematistes</u>

1	Basal area of fw enclosed by median band entirely black above	)
2	Basal area of fw enclosed by median band entirely orange brown above	
3	Basal area of fw enclosed by median band, whitish grey above; median band whitish grey B.consanguinea albicolor $\delta$ $\varphi$	
4	Basal area of fw enclosed by median band uniformly dark red brown above, median band orange	
5	Basal area of fw not enclosed, but extending to outer margin owing to the median band being interrupted or incomplete	<b>)</b>
6	Basal area of hw below not darker than ground colour B.tellus & o	
7	Basal area of hw below yellowish or reddish brown, always darker than ground colour <u>B.epaea</u> & o	
8	Fw black, median band reduced to a subapical bar B.scalivittata $\circ$ $\circ$	
9	Band of fw white, broad and entire	2
10	Band of fw orange, orange brown or yellow, hw orange or white	L
11	Band of fw reaches inner margin	3
12	Band of fw does not reach inner margin <u>P.aganice</u> of	
13	Band of fw does not invade cell	5
14	Band of fw does invade cell B.umbra hemileuca of o	
15	Black margin of hw defined and reaches inner margin below 18	3
16	Black margin of hw not defined and does not reach inner margin below	7
17	Median band of fw narrow, never more than 4mm. at its widest point. Hw always orange brown, paler in female	
17a	Median band of fw broad, never less than 12mm. at its widest point hw white or orange	
17b	Median band in both wings bright ochreous yellow, not orange, as in macarista B.pseuderyta d	
18	Median band of hw yellow $\underline{B.adrasta}$ $\delta$	
19	Median band of hw white	)
20	Outer edge of fw band irregular, with sharp indentations	Ĺ
21	Fw band of even width, white band of hw very broad <u>B.elgonense</u> (Males of all races and female of subspecies <u>toroense</u> )	
21a	Fw band much narrower at costa, hw band narrow B.formosa &	

21b	Outer e	dge of fw band without sharp indentations B.poggei	δş	
22	Band of	fw reaches inner margin		29
23	Band of	fw does not reach inner margin		24
24	Basal p	atch of hw above black or grey		26
25	Basal p	atch of hw above reddish <u>B.alcinoë</u>	Q	
26	Black m	argin of hw not wider than 10 mm., hw rounded		27
		narrow and irregular, the area below Cu2 forming a small ses completely detached white triangle <u>B.aganice</u>	ç	
		fw broad and compact, barely reaching Cu2, never forming a tached triangle below Cu2	φ	
		l black band of hw not less than 12 mm. in width. Hw quadrate, and of hw rather narrow	<b>.</b>	
		l band of hw 15 mm. at widest point, white band very narrow; ded, not quadrate	Q	
		narrow, both edges irregular and blurred; pale markings with light ochreous, not pure white; hw rounded <u>B.pseuderyta</u>	Q	
29		wand of fw irregular and constricted at inner margin	 Ф	
29a	Fw band	regular and not constricted at inner margin. B. elgonense elgonense	ę	•
		BEMATISTES ALCINOË Felder (Pl.I,fig.1,pl.III,fig.2) Felder (Reise Novara Lep. p.368, 1865).		
RANGE	<b>:</b>	Forests from Sierra Leone to the S. Congo and to Uganda and W. Ker	ıya.	
RANGE	Ē	Ssp. <u>alcinoë</u> Felder Sierra Leone to the Cameroons.		
DESCR	RIPTION	Ssp. <u>camerunica</u> Aurivillius (Ent. Tidskr. 14, p.285, 1893) Male; medium sized with very long and rather falcate fw; various sorange brown with black apex to fw and black margin to hw.	hades	of
RANGE	Ē	Female: Large, black and white. Cameroons, Congo, Uganda and Kenya, West of the Rift Valley.		
RECOR	RDS	Kenya Tiriki, Kaimosi. Uganda Bwamba (Toro), Entebbe, Kampala, Budongo (Unyoro), Buhwezu Mawakota, Jinja.	ı (Anko	le),
		BEMATISTES UMBRA Drury (Pl.I,fig.2,pl.III,fig.1) Drury (Ill. Exot. Ins. 3, p.23, 1782) = macaria Fabricius.		
RANGE	Ē	Forests, from Sierra Leone to W. Kenya.		
RANGE	Ē	Ssp. <u>umbra</u> Drury West Africa.		
DESCR	RIPTION	Ssp. <u>hemileuca</u> Jordan (Nov. Zool.21, p.254, 1914). Male: Fw black with orange red band; hw black with white discal b	band.	

Female: Large, black and white. E. Congo to Uganda and W. Kenya. RANGE

RECORDS Kenya Kakamega, Kaimosi.

<u>Uganda</u> Bwamba, Budongo, Katera, Kayonza, Kalinzu, Kibale, Nabugabo,

Mawakota, Entebbe, Jinja.

NOTE Le Doux refers to this race as Planema macaria umbra hemileuca

(1 Deutch Ent. Zeit. p.297 (1922), 11). This use of four names is against

the international rules of nomenclature and cannot be accepted.

BEMATISTES AGANICE Hewitson (Pl.II, fig. 3, pl.II, fig. 7)

Hewitson (Exot. Butt. Acraea 1. 1852)

RANGE Forests up to 5000 ft. from South Africa to Rhodesia, Mozambique, S.E.Congo,

Nyasa and E. Kenya; occurs as a distinct race in W. Kenya and Uganda, and

there is a further race in Ethiopia.

Ssp. aganice Hewitson

South Africa and Rhodesia. RANGE

Ssp. montana Butler (Proc. Zool. Soc. Lond. 1888, p.91)

DESCRIPTION Male: Rather small with pale markings of both wings orange brown (pale

yellow in B.aganice aganice).

RANGE E. Kenya and N.E. Tanganyika

RECORDS Kenya Teita, Meru, Kibwezi, Thika, Dabida, Chyulu hills, Kwale, Shimoni,

Nairobi, Sekoke.

Tanqanyika Tengeru, Arusha, Amani, Morogoro, Ukerewe Island. (Specimens

from the latter locality are not quite typical).

Ssp. NICEGA Suffert (Iris 17, p.78, 1904)

DESCRIPTION Male: Pale markings paler than in other northern races.

Female: Hw pale yellow; occurs as an occasional variant in N. Tanganyika.

A large race.

RANGE Nyasaland and probably S. Tanganyika.

Ssp. ugandae van Someren (J.E.Afr. Ug. Nat. Hist.Soc. 5-6, 1936)

DESCRIPTION Smaller and darker than previous races.

RANGE W.Kenya and Uganda.

RECORDS Kenya Tiriki, Suna (Kisii).

Uganda Jinja, Budongo, Entebbe, Mawakota.

Ssp. orientalis Ungemach (Mem. Soc. Sci. Nat. Maroc 32: 1-122, 1932)

DESCRIPTION All light areas very restricted; fw bar 2½ mm. wide at Cul in the male.

RANGE Ethiopia, S.E. Sudan and probably Acholi (N. Uganda).

> <u>BEMATISTES SCALIVITTATA</u> Butler (Pl.II,fig.9) Butler (Ann. Mag. Nat. Hist.(6),18,p.159, 1896)

Medium size, all black with pale markings reduced to a broken subapical DESCRIPTION

band in fw and to a much obscured discal band in hw. Sexes alike.

RANGE Montane forests of Nyasaland and S. Tanganyika.

RECORDS Tanganyika Poroto mountains, Njombe Highlands, Mufindi.

BEMATISTES QUADRICOLOR Rogenhofer (Pl.II, fig.1) Rogenhofer (Ann. Mus. Wien. 6 p.458, 1891).

RANGE Montane forests from Central Tanganyika to Mt. Kenya and Ruwenzori.

Ssp. <u>quadricolor</u> Rogenhofer

DESCRIPTION Medium size: fw with a rich red brown basal area, orange median band and

black apex; hw black with white discal band; sexes alike.

RANGE N.E. Tanganyika. RECORDS Lyamungu, Tengeru, Namanga, Amani, Moshi, Arusha.

Ssp. latifasciata E. Sharpe (Proc. Zool. Soc. Lond. 1891 p.635)

DESCRIPTION As above, but discal band of hw buff, not white.

RANGE Kenya West of the Rift Valley to Ruwenzori.

RECORDS Kenya Kakamega, Kitale, Lugari, Serem (West Nandi), Sotik, Elgeyo, Mara

river.

Uganda Fort Portal, Kayonza, Mafuga forest (Kigezi), Mbale, Kalinzu,

Mulange, Mabira.

Ssp. <u>leptis</u> Jordan (Nov. Zool. 17, p.463, 1910)

DESCRIPTION Like typical race, but fw band very narrow.

RANGE Kenya Highlands East of the Rift Valley.

RECORDS Mt. Kenya, Meru, Kikuyu Escarpment, Aberdares, Molo, Njombeni, Uplands.

Ssp. morogoro Carpenter and Jackson (Proc.R.ent. Lond.(B) 19: 97-108. 1950)

DESCRIPTION Fw band broader than in typical race.

RANGE Morogoro in N. Tanganyika.

Ssp. itumbana Jordan(Nov. Zool. 17 p.463, 1910)

DESCRIPTION Fw band broader than above.

RANGE Itumba, Tanganyika.

BEMATISTES ADRASTA Weymer (Pl.I, fig.5, pl.II, fig.8)

Weymer (Stett. Ent. Ztg. 53, p.85, 1892)

RANGE Forests in Tanganyika and S.E. Kenya.

Ssp. <u>adrasta</u> Weymer

DESCRIPTION Male: Black with ochreous yellow discal band in both wings.

Female: Yellow areas replaced by white.

RECORDS <u>Tanganyika</u> Amani (Usambara), Morogoro, Dar es Salaam,

Kenya Shimba Hills.

Ssp. (? form) pancalis Jordan (Nov. Zool. 17,p.462, 1910)

DESCRIPTION Pale areas broader than in typical race.

RANGE "Tanganyika" according to Aurivillius in Seitz.

BEMATISTES ELGONENSE Poulton (Pl.I,fig.4)

Poulton (Proc. ent. Soc. Lond. 2: 36-37, 1927)

RANGE Forests in Uganda and possibly E. Congo; rare.

Ssp. elgonense Poulton.

DESCRIPTION Male: Black with bright orange band in fw, white in hw.

Female: Black with white bands in both wings.

RANGE Eastern Uganda.

RECORDS Mbale (West Elgon), Mabira forest (Jinja).

Ssp. <u>toroense</u> Poulton (Trans. Ent. Soc. Lond. 77, p.489, 1929)

DESCRIPTION Differs from the typical race in the female being similar to the male.

RANGE Western Uganda and probably Eastern Congo.

RECORDS Uganda Kayonza, Kalinzu, Toro, Mbarara,

NOTE

Le Doux considers this species conspecific with <u>B. poqqei</u> Dew., but the shape and general appearance of the two insects are sufficiently distinct

to warrant specific status for B. elgonense.

BEMATISTES POGGEI Dewitz (Pl.II, fig.2)

Dewitz (Nov. Acta. Acad. Cur. 41: 2, No. 2 p.18, 1879)

RANGE Forests from Angola and the Congo to Uganda, W. Kenya and Ethiopia.

Ssp. poqqei Dewitz

Congo. Range

Ssp. nelsoni Smith & Kirby (Rhop. Exot. Acraea p.10, 1892)

Black with orange band in fw. white band in hw: sexes alike. DESCRIPTION RANGE E. Congo, Uganda, Kenya West of the Rift Valley.

RECORDS

<u>Kenya</u> Kakamega, Suna (Kisii). <u>Uganda</u> Buhwezu (Ankole), Bwamba, Katera, Kalinzu, Kampala, Entebbe,

Jinja, Busia, Budongo, Bugoma.

Tanganyika Ukerewe Island, Kungwe Mahare.

The typical race, which differs from nelsoni in the shape of the fw band, Note

occurs as a varietal form in Katera (T.H.E. Jackson).

BEMATISTES MACARISTA E. Sharpe (Pl.I, fig.3, 11.111, fig.3)

Sharpe (Ann. Mag. Nat. Hist. (7) 18, p.76, 1906)

DESCRIPTION Male: As above, but apex of fw more acute and fw band more reddish.

Female: Has white band in both wings.

RANGE Forests from Cameroons to the Congo, Uganda and W. Kenya; common.

<u>Kenya</u> Tiriki, Elgon. RECORDS

Uganda Entebbe, Bwamba, Nabugabo, Katera, Mawakota, Kampala, Kayonza,

Budongo, Masindi.

NOTE The male form rileyi Le Doux (1937) has a varying amount of orange brown

on the hw and occurs with the typical form.

BEMATISTES FORMOSA Butler (Pl.II, fig. 5 & 6)

Butler (Cist. Ent.I, p.213, 1874)

DESCRIPTION Similar in both sexes to above, but larger, with hw band narrower.

RANGE Cameroons to the Congo and W. Uganda.

RECORDS <u>Uqanda</u> Bwamba, Kayonza.

> BEMATISTES PSEUDERYTA Godman & Salvin (Pl.II, fig.4) Godman & Salvin (Story of the rear Coll., p.429, 1890)

DESCRIPTION Male: Black with bright ochreous yellow bands in both wings.

Female: Black with pale areas restricted, ill defined and tinged with pale

RANGE A rare forest species from Angola, the Congo and W. Uganda.

RECORDS Uganda Toro, Bwamba, Kayonza.

BEMAIISTES CONSANGUINEA Aurivillius (Pl.I,fig.9)

Aurivillius (Ent. Tidskr. 14, p.282, 1893)

RANGE Forests from the Gold Coast to Uganda.

Ssp. albicolor Karsch (Ent. Nachr. 21, p.280, 1895)

DESCRIPTION Both sexes grevish white with dark gry apex and discal bar in fw and grey

internervular streaks in hw.

Eastern and Southern Uganda.

RECORDS Kampala, Entebbe, Katera, Nabugabo, Nsadzi, Busisu, Bugalla.

NOTE The typical race is West African.

BEMATISTES PERSANGUINEA Rebel (Pl.I, fig.6)

Rebel (Ann. Naturh. Hofmus. Wien. 28: 219-269, 1914)

DESCRIPTION Fw band orange brown, very narrow and sharply angled; hw orange brown

with dark border and internervular streaks; female sometimes paler than

male.

RANGE Kivu area of the Congo to S.W. Uganda.

Uganda Kayonza forest (Kigezi). RECORDS

> BEMATISTES TELLUS Aurivillius (Pl.1,fig.7) Aurivillius (Ent. Tidskr. 14, p.280, 1893)

RANGE Forests of the Cameroons, Congo and Uganda.

Ssp. <u>tellus</u> Aurivillius

West Africa. RANGE

Ssp. eumelis Jordan (Nov. Zool. 17, p.462, 1910)

All pale markings bright ochreous orange. DESCRIPTION

RANGE Central and Eastern Uganda.

Uganda Kampala, Entebbe, Katera, Masaka, Mabira, Mulange, Mawakota, RECORDS

Tanganyika Ukerewe Island.

Ssp. schubotzi Grünberg (Wiss Ergebu. Deutsch. Zentr. Afr. Exped.3, p.519, 1911)

DESCRIPTION Smaller and brighter than above; subapical bar paler than ground colour

in male. The female has all light areas of fw white; female form

jacksonianus van Someren is similar to the male.

E. Congo, W. Uganda. RANGE RECORDS Uganda Bwamba, Budongo.

BEMATISTES EPAEA Cramer (Pl.I,fig.8,pl.III,fig.4)

Cramer (Pap. Exot. 3, p.64, 1779)

A common and variable forest butterfly occuring throughout most of RANGE

tropical Africa; Senegal to Angola and West Africa to the Congo, with

isolated races in Ethiopia, Tanganyika and Nyasaland.

Ssp. epaea Cramer

RANGE West Africa.

Ssp. <u>lutosa</u> Suffert (Iris 17, p.36, 1904)

Male: Pale markings well developed, bright orange brown. DESCRIPTION

Female: Pale markings more restricted and more or less ochreous.

Eastern Congo, W. Uganda. RANGE

RECORDS Uganda Bwamba (Toro).

Ssp. paragea Smith (Nov. Zool. 7. p.547, 1900)

DESCRIPTION Light markings greyish white to white, sometimes with ochreous tinge in

the male, much narrower than in lutosa.

Western Uganda. RANGE

Kayonza, Katera, Budongo. RECORDS

Ssp. angustifasciata Grünberg (Sitz.-Ber. Ges. Nat. Fr. Berl. 1910, p.165)

DESCRIPTION Similar to above, but pale areas even more restricted.

RANGE Southern, Eastern and Central Uganda, and W. Kenya.

Kenya Kaimosi. RECORDS

Uganda Entebbe, Kampala, Jinja.

Ssp. epitellus Staudinger (Iris 9, p.207, 1896)

DESCRIPTION Similar to <u>lutosa</u> but orange ground colour invades cell of fw.

Forests of North-East Tanganyika; rare. RANGE

RECORDS Amani (Usambara), Pugu hills (Dar es Salaam.

Ssp. melina Thurau (Berl. Ent. Ztschr. 48, p.135, 1903)

DESCRIPTION Pale markings very broad, pale ochreous orange in the male, white in the

female.

RANGE North Nyasa and probably S. Tanganyika.

#### Genus ACRAEA Fabricius 1807

The largest genus of African butterflies, containing some 150 species. Nearly all the species are Ethiopian, a few being Oriental. The genus is very compact and uniform and cannot be split into anything more significant than species groups.

Many species of <u>Acraea</u> are very variable and subject to seasonal polymorphism, while others are similar to one another, so that it is not possible to devise a key that fits every form without possibility of error. The genus is represented throughout the Ethiopian Region and in every type of habitat, from desert to equatorial forest; the two main centres of distribution are the West African forest belt and the <u>Brachystegia</u> savanna of the Rhodesian plateau. All the species are distasteful to vertebrate predators and many of them enter various mimetic associations as models, or as mullerian mimics. The majority of the Species are medium sized and sport various shades of red, orange, brown and yellow.

Key to the East African species of ACRAEA.

 $\underline{\text{A. marnois}}$  Rogenhofer and  $\underline{\text{A. leucopyga}}$  Aurivillius are not included in this key.

Key to the groups. (These groups, sections, etc., have been devised solely as an aid in identifying the numerous species of this genus and have no taxonomic significance).

- Regular black marginal line on hw below, no spots or streaks.... A.insignis.
- Black marginal line on hw below broken into lunules...... A.eltringhami
- Black marginal line on hw below encloses internervular spots...... Group II
- Series of internervular streaks at margin of hw below, not bifurcated..... Group III

#### Group I, key to sections.

- Proximal half of fw above red or red brown to the base, with black spots. Section A
- Some red at base of fw above, but no black spots...... Bection B

#### Group I, Section A. Key to species.

	Group I, Section A. Key to species.
-	Marginal band of hw above fuscous, broad and regular. A.iturina
-	Marginal band of hw narrow with sharp inward projections at the veins
	Group I, Section B. Key to species
-	Red area of fw above does not extend beyond cell
-	Red area of fw above extends beyond cell
1	Hw above unspotted A.ceresa unimaculata
2	Black spots on hw coalesce into thick band A.hamata
3	Spots on hw small and isolated
3a	Hw small and rounded, never quadrate A.orestia
4	Hw quadrate, fw with fuscous border 5 - 6
5	Black spot between Cu2 and A2 touches marginal border of hw A.kalinzu
5a	Black spot between Cu2 and A2 does not touch marginal border of hw
6	Marginal Border of hw very dark and never more than 3 mm. wide
6a	Marginal border of hw not as dark and never less than 5 mm. wide
7	Black spots of hw few and large A.damii cuva
8	Black spots of hw small and numerous A.quirina
	Group I. Section D. Key to species
i	Hw clear above, with dark scales on the veins and at the margin. No yellow scales
2	Hw with some yellow scales A.orestia f.transita
3	Hw mainly yellow, with dark border A.orestia sambar
4	Hw mainly dark grey, sometimes with a dark red central area A.cinerea
	Group II. Key to sections
-	Marginal spots of hw below wholly or partly darker than ground colour Section A

Marginal spots of hw below not darker than ground

	11
	colour Section B
	Group II, Section A. Key to species
-	Fw without black markings
1	Black marginal band of hw broken into spots A.machequena
2	Marginal band not broken into spots <u>A.admatha</u>
3	Fw heavily marked with black
	Group II, Section B. Key to subsections
-	No black spots in hw Subsection a
-	Postdiscal spots on hw below joined and forming thick, irregular black band
-	Black basal dots of hw below form a solid black area enclosing a few white dots; black basal area reaches costa
-	Black basal dots of hw below large and contiguous, alternating with large white dots, but not coalescing into black mass and not reaching costa Subsection d
-	Basal spots in hw below well developed, but always separated; two spots in cell Subsection e
-	Hw basal spots as above, but only one spot in cell. Subsection ${\bf f}$
-	Spots on hw below replaced by three continuous narrow lines; proximal cell spot large and rounded. <u>A.miranda</u> (Subsection g)
	Group II. Section B. Key to species Subsection a
1	Fw unmarked
2	Fw marked with black; marginal band of hw not wider than 4 mm
3	Marginal band of hw not less than 6 mm.; fw marked with black
	<u>Subsection c</u>
4	Series of postdiscal spots in hw present A.pseudolycia
5	Series of postdiscal spots in hw absent A.anemosa
	<u>Subsection</u> d
6	Fw heavily marked with black and not partly hyaline
-	Fw partly hyaline, lightly spotted with black

7	Tip of abdomen in male dirty pinkish white, banded with black
8	Tip of abdomen in male orange, not banded with black. A.terpsicore neobule
	Subsection e
-	Veins of fw only dusted with black
9	No internervular black streaks, large size, veins sometimes only slightly dusted with black. Prominent black tip on fw above
10	Black internervular streaks on fw above; no black tip
l0a	Fw with normal scale covering
lOb	Fw thinly scaled except at base and apex A.doubledayi
-	Veins of both wings dusted with black scales
11	Black dusting of veins reaches postdiscal spots in hw
-	Black dusting does not reach postdiscal spots and is often reduced to mere nervular projections of hw marginal band
12	Wing span not less than 65 mm. Apex black <u>A.egina</u>
13	Wing span not more than 55 mm. Apex black A.cepheus
-	Apical area of fw not broadly black
-	Veins not dusted with black
-	Internervular streaks present in fw above
14	Ground colour sandy; marginal band of hw undulating. A.aequatorialis
15	Ground colour pinkish red, grey in some females; white subapical bar in some females; internervular streaks sometimes very faint
16	Ground colour always warm brownish pink in male, not so bright in female. Greyish area not reaching the margin in fw above, from Ml to Cul in male, beyond Cul in female
17	Fw spotted with black, semi-transparent <u>A.braesia f.braesia</u>
18	Both wings transparent, black spots and marginal spots present
19	Both wings pinkish red, fw above and below with complete black submarginal band enclosing series of internervular orange spots
20	Dark basal area in fw above extends to first cell

2	<pre>Dark basal area of fw above, if present, does not reach first cell spot. Second series of postdiscal spots in fw always present</pre>
2	2 Dark basal area in fw above absent, second series of postdiscal spots absent. Black marginal line of hw above straight, not undulating
2	3 Black spots in Cul, A2 and A3 of hw placed in a straight line
	- Apical area of fw above black; see also Nos.9,11, 12,13,15
2	Ground colour of hw below pinkish red, more or less striated with creamy white along veins.  Black apical area of fw above, if present, never extends beyond M2. When absent, fw almost unspotted. Ground colour of male above very bright orange red to orange pink
2	5 Black tip of fw reduced. 2, sometimes 3, small white apical spots on fw below, surrounded by black line
2	6 Ground colour dirty pinkish buff; black apical area never extends beyond M2. No creamy streaks on hw below
2	7 As above, but black apical area extends beyond Cul
2	8 Black area extends beyond Cul; ground colour rich orange red
	Subsection f
2	9 White subapical bar of fw above absent <u>A.anacreon</u>
3	O White subapical bar of fw above present <u>A.anacreon anacreontica f.wigginsi</u>
	Group III. Key to sections and subsections
	_ Fw spotted with black, as in majority of Group II. Section A
	Section A
	- Ground colour red, particularly in the males Subsection a
	- Ground colour orange brown, internervular streaks on hw below orange Subsection b
	<ul> <li>Ground colour yellowish or greyish white, internervular streaks on hw below black. A.encedon f.lycoides (Subsection c)</li> </ul>
	- Fw not spotted with black as above Section B

## Section B

	-	markings more or less hyalineSubsection a
	-	Scale covering of fw normalSubsection b
		Group III. Section A. Key to species Subsection a
1		Internervular streaks on hw below black and thick; no postmedian black spots on hw <u>A.pharsalus</u>
2	•	Internervular streaks on hw below orange; 3 black postmedian spots in hw at Cul, Cu2 and A2, sometimes a more or less complete series of such spots
		Subsection b
3		Ends of veins not heavily outlined with black A.encedon
4		Ends of veins heavily outlined with black in both wings A.rahira
		Group III. Section B. Key to species Subsection a
	-	Cell of fw black, without markings, hw usually red
	-	Internervular streaks on hw below do not reach cell
5		Internervular streaks on hw below of even thickness and always reach margin
6		Internervular streaks on hw below attenuated distally and often fail to reach margin <u>A.penelope</u>
7		Internervular streaks on hw below reach cell A.grosvenori
	-	Basal half of fw thinly covered with red scales; hw red or brownish red
8		Internervular streaks on hw below reddish and not well defined; basal half of hw above black <u>A.baxteri</u>
9		Internervular streaks of hw below black and well defined; basal half of hw above red dotted with black
	-	Distal half of fw cell white or containing a single white spot; hw pale yellow
10		Internervular streaks on hw below attenuated distally, usually failing to reach the margin A.ntebiae

11	Internervular streaks on hw below of even thickness, always reaching margin
12	Fw completely clear, bordered with black, a large clear area in hw
13	Fw mainly clear, with dark band running from costa at centre of cell to tornus; hw red brown without clear area
	Subsection b
-	Cell of fw red or brown, not black at base
14	Veins of fw heavily outlined with black, all internervular spaces red, except at margin <u>A.orina</u>
-	Veins of fw not outlined with black
15	Black spots on hw above large and numerous A.conradti
16	Hw above unspotted; no yellow postdiscal band on fw above
17	Hw above unspotted; broad, irregular yellow postdiscal band on fw above
18	Cell of fw above mainly pale yellow, black at costa. A. alciopoides
-	Cell of fw above, black at base, white, yellow or orange brown distally
19	Cell spots in hw below absent
20	Cell spots in hw below present; internervular streaks below narrow and faint
21	Cell spots in hw below present; internervular streaks broad and very prominent
-	Cell of fw above entirely black or blackish
-	Fw above black or dark brown with 4 prominent pale spots
22	Dark border of hw above sharply toothed towards margin at M3 A.johnstoni johnstoni
23	Margin of hw above. not toothed A.lycoa
-	Black area in cell of fw above is prolonged between M3 and Cul until it meets dark marginal border, thus splitting the pale area into a subapical patch and an inner-marginal patch
24	Wing span not more than 42 mm A.disjuncta
25	Wing span not less than 50 mm(A.jodutta (A.esebria
26	Black area in cell of fw above not prolonged to meet marginal border

### Group IV. Key to sections

-	Black basal patch absent in both wings aboveSection A
-	Black basal patch in fw above replaced by broad black costal streak and sometimes by a narrow streak along inner margin Section B
-	Black basal patch present in both wings; in fw broad and entire Section C
-	Black basal patch of fw above broken by a prominent orange or yellow streak which usually occupies lower half of cell Section D
-	Black basal patch of fw above dissected by yellow or orange cubital vein; no black basal patch in hw
	Group IV. Section A. Key to species
1	Marginal band on hw below of fairly even width A.eponina
2	Marginal band of hw below <u>much</u> narrower between M1 and M3
	Group IV. Section B. Key to species
3	Ground colour above white A.bettiana
4	Hw above and subapical patch of fw creamy, rest of fw orange brown
-	Ground colour more or less uniformly orange brown
5	Continuous orange band on hw below enclosed by two parallel black lines which run from centre of costa, through cell, to inner margin <u>A.rangatana</u>
6	No orange markings in cell of hw below <u>A.goetzei</u>
7	Orange band on hw below present in cell, but interrupted at all the veins
8	Orange band more or less replaced by a straight row of black dots
	Group IV. Section C. Key to species
-	Ground colour above creamy yellow 9 -10
9	Black basal area of fw above extends to middle of inner margin <u>A.sotikensis karschi</u>
10	Black basal area of fw above occupies a third

17 11 Group IV. Section D. Key to species 12 Marginal band of hw below of uniform width..........A.althoffi - Marginal band of hw below narrower between Ml Marginal band of hw below pale, submarginal 13 - Marginal band of hw below dark and distinct, Lower part of basal black area on fw above ends 15 Lower part of basal black area in fw above ends at inner margin without forming a sharp projection at A2.....A.sotikensis ACRAEA ZONATA Hewitson (Pl.17, fig.2) Hewitson (Ent.Mon.Mag.14,r.154,1877) Pale orange brown with black markings. DESCRIPTION RANGE Coastal forests of Kenya and Tanganyika; rare. RECORDS Kenya Witu, Gazi (Mombasa), Teita, Malindi, Vanga. Tanganyika Amani (Usambara), Pugu hill (Dar es Salaam), Mtwara, Zanzibar. ACRAEA RABBAIAE Ward (Pl.IV, fig.I) Ward (Ent. Mon. Mag. 10, p.152, 1873) RANGE Coastal forests from Kenya to Tanganyika, P.E.A., inland to the Eastern border of S. Rhodesia and south to Natal. Ssp. rabbaiae Ward DESCRIPTION More or less transparent with black markings and a series of buff submarginal spots on hw. RANGE The southern race; its northern limits are not definitely known, but it probably merges with the next race somewhere along the coast of S.Tanganyika or Mozambique. Ssp. mombasae Grose-Smith (Ann. Mag. Nat. Hist.(6) 3, p.127, 1889) DESCRIPTION Pale areas pale buff, not transparent. Coastal area of Kenya and Tanganyika. RANGE Kenya Mtwapa (Mombasa), Shimba hills, Teita, Kilifi, Rabai, Mouth of RECORDS

ACRAEA SATIS Ward (Pl.III,fig.5)
Ward (Ent. Mon. Mag. 8,p.35, 1871)

the Tana river, Shimoni, Sekoke.

DESCRIPTION Male: Red with black markings; apical and marginal areas of fw hyaline.

Tanganyika Mtwara, Pugu hill (Dar es Salaam), Usaramo.

Female: Like male, but red areas replaced by white.

RANGE Coastal forests from Natal to Kenya, ranging inland to Chirinda forest,

Southern Rhodesia.

RECORDS Kenya Shimba hills, Diani, Gazi, Kilifi, Mtwapa, Teita, Rabai, Voi.

Tanganyika Moshi, Mtwara, Amani, Lindi, Bagamoyo, Mafia, Zanzibar.

ACRAEA PENTAPOLIS Ward (Pl.III, fig.6)

Ward (Ent.Mon.Mag.8,p.60, 1871)

RANGE Forests from Sierra Leone to the Congo and Uganda, with a race in

Tanganyika, Nyasaland and Mozambique.

Ssp. pentapolis Ward

DESCRIPTION Large, mainly transparent with indistinct fuscous markings on fw and a

yellow or orange area in cell and at inner margin of hw.

RANGE Sierra Leone to Uganda.

RECORDS <u>Uganda</u> Entebbe, Budongo, Kalinzu, Kayonza, Jinja, Mbarara, Mulange,

Lolui Island.

Ssp. epidica Oberthür (Études d'Entomologie, 17,p.18, 1893)

DESCRIPTION As above, but markings of fw darker and better defined.

RANGE Forests from Tanganyika to Nyasaland, and Mozambique, but apparently not

at the coast.

RECORDS <u>Tanganyika</u> Amani, Pangani, Morogoro.

ACRAEA VESPERALIS Grose-Smith (Pl.III,fig.7) Grose-Smith (Proc.Zool.Soc.Lond. 1890,p.466)

RANGE Forests from Sierra Leone to the Congo and Uganda.

Ssp. vesperalis Grose-Smith

DESCRIPTION Like A.pentapolis, but a little smaller; hw entirely orange brown,

without transparent area.

RANGE Nigeria to Uganda.

RECORDS Uganda Sesse Islands (Lake Victoria), Bwamba, Mawakota.

ACRAEA DAMII Vollenhoven (Pl.III, fig. 8)

Vollenhoven (Pollen & Van Dam, Faune Madag.5, Ins.,p.12, 1869)

RANGE Forests in Madagascar and on the East coast of Africa; rare.

Ssp. <u>damii</u> Vollenhoven

RANGE Madagascar.

Ssp. <u>cuva</u> Grose-Smith (Ann.Mag.Nat.Hist. (6).p.126, 1889)

DESCRIPTION Fw hyaline with some red at base; hw bright red with a few large round

black dots and a hyaline border.

RANGE Coastal forests of Kenya and Tanganyika; also Nyasaland and Mozambique.

RECORDS Kenya Mouth of the Tana, Sekoke forest, Shimoni, Mrima hill.

Tanganyika Morogoro, Dar es Salaam, Zanzibar.

ACRAEA CERASA Hewitson (Pl.III,fig.9) Hewitson (Exot. Butt.Acraea 2, 1861)

RANGE Forests from East Africa to Natal.

Ssp. cerasa Hewitson

DESCRIPTION Warm brownish red with black spots; distal half of fw and margin of hw

transparent.

RANGE Natal to Kenya East of the Rift Valley.

RECORDS

Kenya Nairobi, Kijabe, Meru, Mutha hill, Njombeni.

Tanganyika Morogoro.

Ssp. unimaculata Grose-Smith(Nov.Zool.5,p.350, 1898)

DESCRIPTION

Ground colour more ochreous than previous race; all black dots absent,

with the exception of one or two at base of hw.

RANGE RECORDS Forests in Kenya, West of the Rift Valley. Soy, Tiriki, Kakamega, Elgon, Sotik, Kitosh.

Ssp. cerita Sharpe(Ann.Mag.Nat.Hist,(7)p.75, 1906) (=kigezia Howarth (Entomologist,92,Noll54, 1959)

DESCRIPTION

Less spotted than typical race; marginal border of hw narrower, a dark

band separating red basal patch of fw from hyaline apical area.

RANGE

Uganda and possibly N.E. Congo.

RECORDS

<u>Uganda</u> Kayonza(Kigesi), Fort Portal(Toro).

NOTE

For further information about this controversial species and its

relationship to A.kraka Aur., see Howarth (Entomologist Vol.92, No.1154,

1959 and Entomologist Vol.93, p.185, 1960).

ACRAEA KRAKA Aurivillius (Ent. Tidskr. 14, p. 272, 1893)

RANGE

A rare forest species from the Cameroons and Fernando Po, with a distinct

race in the E. Congo and Uganda.

RANGE

Ssp. kraka Aurivillius

West Africa only.

Ssp. pallida Carpenter (Proc.R.Ent.Soc.Lond. 1931, p.76)

DESCRIPTION Fw mostly hyaline, with a small pale ochreous area and a few black dots at the base; hw pale ochreous heavily spotted with black, with a very

broad hyaline border.

RANGE RECORDS N.E. Congo and W. Uganda. Kayonza, Bwamba.

NOTE

The male genitalia of both races of A.kraka are identical with those of

A.cerasa and it is possible that kraka and cerasa are conspecific.

ACRAEA ITURINA Grose-Smith (Pl.III,fig.10) Grose-Smith (Proc.Zool.Soc.Lond., 1890, p.465)

RANGE

Forests from the Cameroons to Uganda, with a distinct race in Ethiopia.

Ssp. <u>iturina</u> Grose-Smith

DESCRIPTION

Bright red with distal half of fw transparent and numerous large black dots in hw.

RANGE

Cameroons to the Congo and Uganda.

RECORDS

Uqanda Lake Albert, Bwamba, Budongo, Kibale forest, Kayonza, Katera,

Kamengo, W.Elgon.

NOTE

A.iturinoides Stoneham 1936 must be regarded as a synonym of A.iturina, as it is based on two reasonably typical females from the Budongo forest. According to Stoneham, the main character of iturinoides is the stalked condition of veins RS and MI of the hind wing. However Eltringham (Trans. Ent.Soc.Lond. 407 - 413, 1913), stated that this condition is normal in A.iturina. In any case, this character is variable as there are specimens in the Coryndon Museum with stalks of varying length, in some case unequal in the two wings of the same individual and even one or two in which these veins are stalked in one wing, but not in the other. There are other specimens, quite typical in all other respects, in which the stalked condition is entirely wanting.

ACRAEA KALINZU Carpenter (Proc.R.Ent.Soc.Lond.(B) 5162: 164, 1936)

DESCRIPTION Rather like previous species but smaller, with a narrower marginal band to the hw.

RANGE Forests of Western Uganda.

RECORDS Kalinzu, Kayonza, Mpanga forest (Toro), Kibale forest.

ACRAEA QUIRINA Fabricius (Pl.III,fig.ll) Fabricius (Spec.Ins.2,p.36, 1781)

RANGE Forests from Sierra Leone to the Congo and East Africa.

Ssp.<u>quirina</u> Fabricius

DESCRIPTION Fw transparent, with some red at base; hw bright red in male, reddish brown in female, with broad transparent border and numerous small black spots.

RANGE West Africa to Uganda and probably Western Kenya.

RECORDS <u>Uganda</u> Budongo, Entebbe, Mabira, Bwamba, Katera, Kayonza, Bugoma, Mawakota.

Ssp. rosa Eltringham (Trans.Ent.Soc.Lond, 1912,p.60)

DESCRIPTION Differs from typical race in having larger red area in fw.

RANGE Kenya East of the Rift Valley and Tanganyika.

RECORDS Kenya Nairobi, Marsabit (very common), Meru, Rabai, Diani, Shimba hills, Mt.Kulal (N.F.D.), Kitui, Teita, Njombeni.

Tanganyika Amani, Morogoro, Dar es Salaam.

ACRAEA MACHEQUENA Grose-Smith (Pl.IV,fig.4)
Grose-Smith (Ann.Mag.Nat.Hist. (5),9 p.62, 1887)

DESCRIPTION Ground colour pale orange red tinged with buff, paler and more yellowish in female; distal half of fw transparent; hw dotted with black, bordered by a series of black internervular lunules enclosing red spots which are particularly distinct uns.

RANGE Bush and savanna from Delagoa Bay and S.Rhodesia to Tanganyika.

RECORDS Tanganyika Dar es Salaam, Mtwara.

ACRAEA ADMATHA Hewitson (Pl.IV,fig.3) Hewitson (Exot.Bott. Acraea 3, 1865)

DESCRIPTION Ground colour bright red in male, more or less brownish red to grey in female; distal half of fw hyaline; hw heavily spotted with black; marginal border encloses large internervular spots which are bright red on uns of males. The form <a href="Leucographa"><u>leucographa</u></a> Ribbe (Iris 2, p.181, pl.4,f.1,1889) has two or more white patches near inner margin of hw.

RANGE Forests from West Africa to the Congo, East Africa and Ethiopia, occurs

also in South Africa.

RECORDS <u>f.admatha</u>: <u>Kenya</u> Marsabit (very common), Matthews Range, Witu, Kwale, Gazi, Njombeni, Meru.

Uganda Bwamba, Katera, Fort Portal, Kayonza.

f.leucographa Kenya Kakamega, Kericho, Sotik.

<u>Uganda</u> Fort Portal, Bwamba, Katera Kayonza, Budongo.

NOTE

In West Kenya the form <a href="leucographa">leucographa</a> is absolutely dominant and constitutes a good race; in Uganda it occurs with the typical form, but Uganda specimens of <a href="leucographa">leucographa</a> are usually a good deal larger than Kenya ones. All available material of this species from South Africa, West Africa, the East African coast and Marsabit is of the typical form.

ACRAEA TERPSICORE Linnaeus (Pl.IV, fig.5) Linnaeus (Syst.nat.Ed.10 p.466, 1758)

RANGE Dry bush and savanna throughout India, Ceylon, Arabia, Madagascar, and

Africa south of the Sahara; very common.

Ssp. terpsicore Linnaeus

India. RANGE

RANGE

Ssp. neobule Doubleday & Hewitson, (Gen. Diurn. Lep.19, 1847)

Ground colour pale orange red, more brownish in the female; Apical half

of fw transparent, often with some red scales at apex, base red, spotted with black; marginal border encloses internervular spots, orange red

above, white below.

RANGE South Africa to East Africa and Ethiopia; common everywhere, except on

high mountains and in heavy forests.

ACRAEA MATUAPA Grose-Smith (Ann.Mag.Nat.Hist.(6) 3,p.127, 1889)

DESCRIPTION Very similar to above, but a little larger, ground colour paler, not so red; black margin of hw broader, submarginal lunules much smaller, hardly

visible above, Male differs from above species in having ring on each distal segment of the abdomen.

Forests in the coastal districts of Kenya and on some of the hills in

Eastern Kenva.

RECORDS Kenya Kilifi, Kwale, Emali, Range, Marsabit (?). NOTE

This species was treated as a synonym of A.terpsicore neobule, by Eltringham in his monograph of the genus Acraea. Although the two insects are obviously very closely related and exhibit no obvious genitalial differences, the differences in habitat and facies are such as to justify the reinstatement of Acraea matuapa as a valid species.

ACRAEA PUNCTIMARGINEA Pinhey (Pl.IV, fig. 6) Pinhey (Cor.Mem.Mus.Occ.Pap. No 4, 1956)

Ground colour rich ochreous yellow in male, brownish in female; both DESCRIPTION wings unspotted, marginal border of hw broad and black, enclosing

prominent white internervular lunules.

RANGE North - East Tanganyika. RECORDS Morogoro, E. Usambaras.

> ACRAEA INSIGNIS Distant (Pl.IV, fig.7) Distant (Proc. Zool. Soc. Lond. 1880, p.184)

RANGE Forests from Mozambique and Nyasaland to Kenya, Uganda and Ethiopia.

Ssp. insignis Distant

Form insignis Distant: Ground colour light red in male, reddish brown DESCRIPTION

in female; apical half of fw hyaline; hw with several black blotches near base and in cell; marginal border black, narrow and entire. Form sigina Suffert (Iris 17, p.19, 1904). As above, but black

blotches of hw above and below coalesce into solid, rounded black area at base.

RANGE Same as the specific range, but excluding Mozambique, where the species is represented by a distinct race.

Kenya Nairobi, Meru, Dabida, Thika, Teita, Shimba hills, Sekoke RECORDS

forest, Kakamega, Anabkoi, Kitosh, Tiriki.

Uganda Entebbe, Budongo, Katera, Kayonza, Mitano.

Tanganyika Pugu hill (Dar es Salaam), Marangu, Lushoto, Amani, Morogoro,

Mt. Rungwe (Mbeya), Njombe, Uwemba, Mufindi.

NOTE

Form insignis is much more frequent in E. Kenya and N.E. Tanganyika than

elsewhere and is very scarce in Ethiopia and S. Tanganyika.

ACRAEA ELTRINGHAMI Joicey & Talbot (Bull. Hill. Mus.6: 44-118, 1921)

DESCRIPTION Similar to insignis but marginal border of hw broken into black triangles

at the veins.

RANGE

Eastern Congo, Western Uganda.

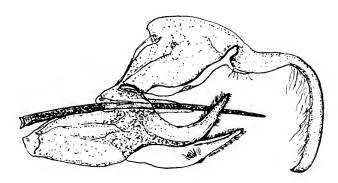
RECORDS

Uganda Mafuga forest, Rutenga, Kayonza (Kigezi), Bwamba.

NOTE

Although this species has been treated as a race of A.insignis Dist. by some authors, its genitalia are sufficiently different to dispel any

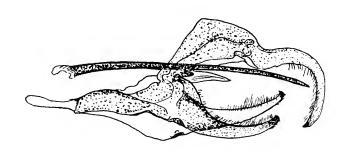
doubts about its specific status.

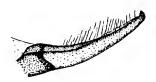




ACRAEA ELTRINGHAMI: Ventral Aspect of Right Valve

ACRAEA ELTRINGHAMI: Male Genitalia





ACRAEA INSIGNIS: Male Genitalia, Ventral Aspect of Right Valve

ACRAEA INSIGNIS: Male Genitalia

ACRAEA HAMATA Joicey & Talbot (Bull. Hill. Mus.6: 339-342, 1922)

DESCRIPTION

Similar to insignis, but smaller; very broad transparent border to the

hw, only the female is known.

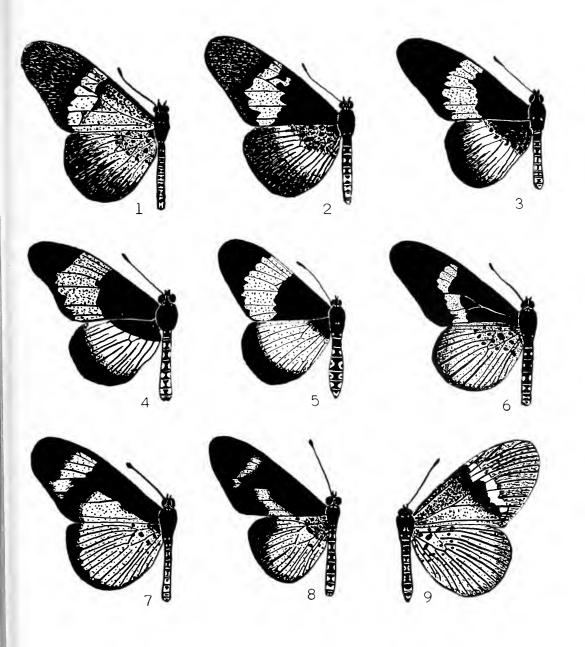
RANGE RECORDS

Montane forests of Kivu(Congo) and Kigezi. Uganda Mafuga forest, impenetrable forest.

ACRAEA ROGERSI Hewitson (Pl.V, fig.10) Hewitson (Ent. Mon. Mag. 10, 15, 1873)

RANGE

Forests from Sierra Laone to Angola and Uganda; rare.



### PLATE I

- l Bematistes alcinoë camerunica 3 2 B.umbra hemileuca 3 3 B.macarista 3 4 B.elgonense 3 5 B.adrasta adrasta 3
- 6 B.persanguinea & 7 B.tellus eumelis 8 B.epaea lutosa &
- 9 B.consanguinea albicolor.

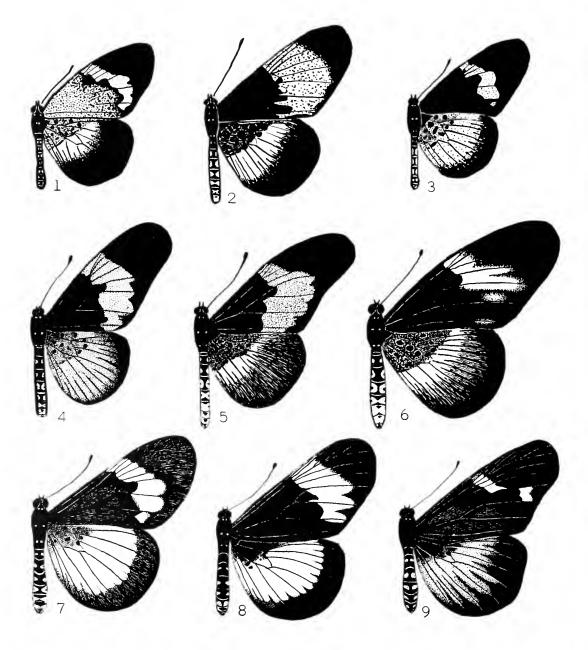


PLATE II

- l Bematistes quadricolor latifasciata 2 B.poggei nelsoni
- 3 B.aganice montana o 4 B.pseuderyta o 5 B.formosa o
- 6 B.formosa  $\varrho$  7 B.aganice montana  $\varrho$  8 B.adrasta adrasta  $\varrho$  9 B.scalivittata  $\varrho$  .

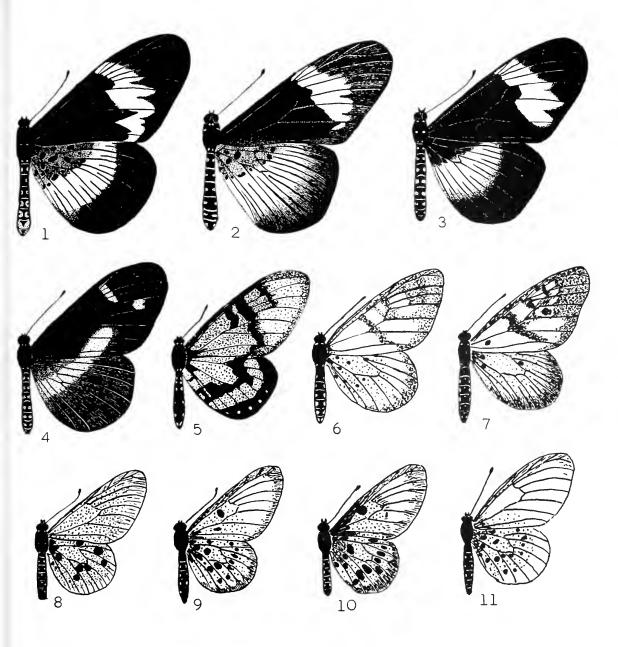


PLATE III

l Bematistes umbra hemileuca o 2 B.alcinoë camerunica o 3 B.macarista o 4 B.epaea paragea o 5 Acraea satis o 6 A.pentapolis pentapolis 7 A.vesperalis vesperalis 8 A.damii cuva 9 A.cerasa cerasa 10 A.iturina iturina 11 A.quirina quirina .

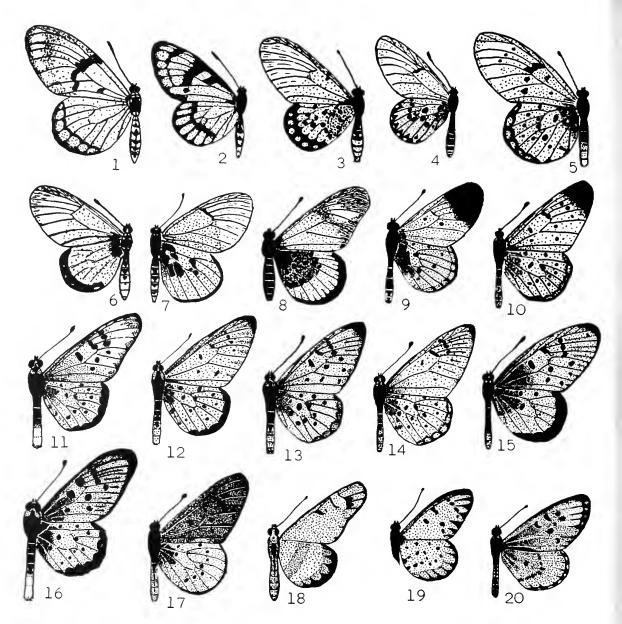


PLATE IV

l Acraea rabbaiae mombasae 2 A.zonata 3 A.admatha admatha 4 A.machequena 5 A.terpsicore neobule 6 A.punctimarginea 7 A.i.insignis 8 A.baxteri 9 A.chaeribula đ 10 A.c.caldarena 11 A.braesia f.braesia o 12 A.p.pudorella đ 13 A.oncaea đ 14 A.a.aequatorialis đ 15 A.lygus đ 16 A.sykesi đ 17 A.a.asboloplintha đ 18 A.miranda đ 19 A.rahira rahira

20 A.anacreon anacreontica .

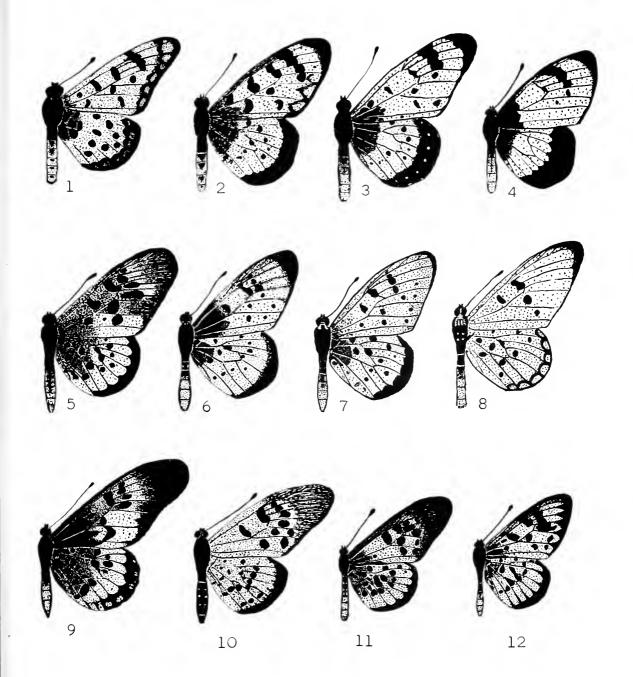


PLATE V

l Acraea c.chilo  $\sigma$  2 A.zetes acara  $\sigma$  3 A.pseudolycia astrigera 4 A.a.anemosa 5 A.e.egina  $\sigma$  6 A.n.natalica  $\sigma$  7 A.caecilia pudora  $\sigma$  8 A.a.acrita  $\sigma$  9 A.p.perenna 10 A.rogersi lankesteri ll A.cepheus f.abdera  $\sigma$  12 A.petraea  $\sigma$  .

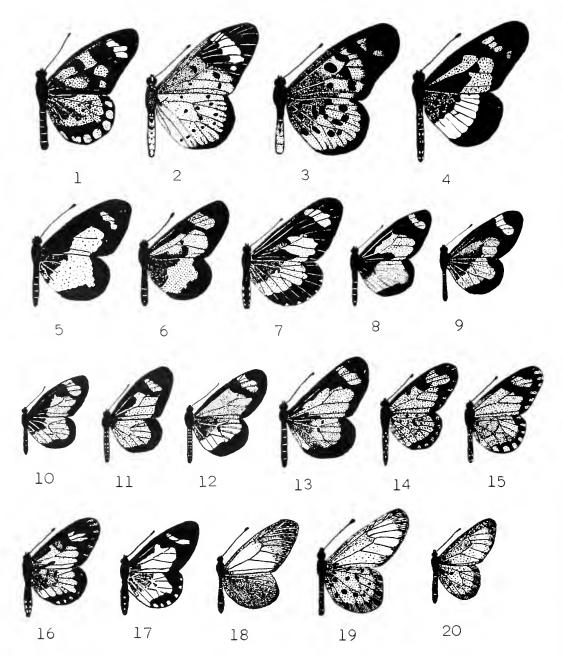


PLATE VI

l A.a.amicitiae d 2 A.encedon f.encedon d 3 A.p.pharsalus d 4 A.a.althoffi d 5 A.viviana d 6 A.burgessi d 7 A.cabira q 8 A.bonasia alicia d 9 A.s.sotikensis d 10 A.uvui uvui d 11 A.acerata d 12 A.e.excelsior d 13 A.goetzei d 14 A.eponina 15 A.ventura 16 A.r.rangatana d 17 A.bettiana d 18 A.cinerea f.cinerea d 19 A.quirinalis d 20 A.o.orestia f.orestia d .

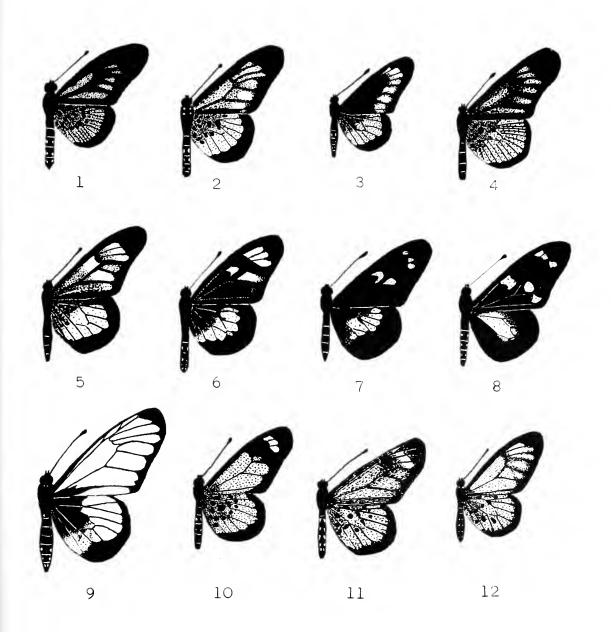
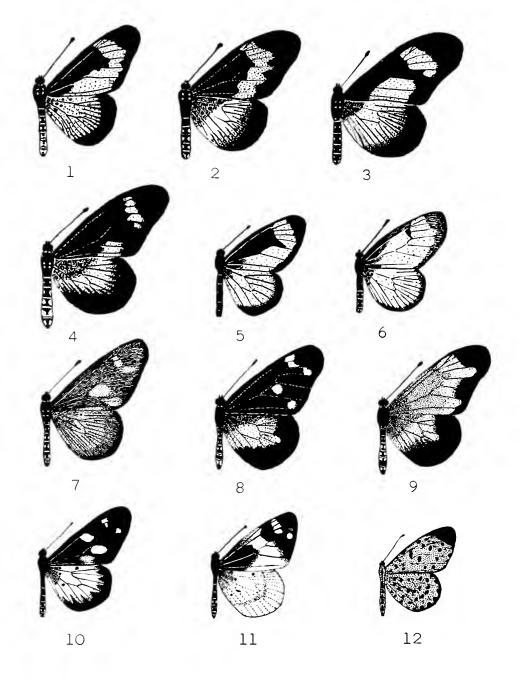


PLATE VII

l A.orina orineta d 2 A.peneleos pelasgius d 3 A.penelope vitrea d 4 A.grosvenori d 5 A.servona rhodina d 6 A.ntebiae d 7 A.melanoxantha d 8 A.o.oreas d 9 A.semivitrea 10 A.conradti conradti d 11 A.aubyni d 12 A.igola d .



## PLATE VIII

l A.a.alciope & 2 A.a.alciope & f.aurivillii 3 A.j.jodutta & 4 A.esebria f.protea & 5 A.d.disjuncta & 6 A.alciopoides & 7 A.lycoa media & 8 A.j.johnstoni f.confusa 9 A.j.butleri lO A.ansorgei nr.f.pica (Poroto Mts.) & ll A.a. f.ansorgei & 12 Pardopsis punctatissima .

Ssp. <u>rogersi</u> Hewitson

West Africa and the Congo. RANGE

Ssp. lankesteri Carpenter (Proc.R.Ent. Soc. Lond.(B) 10:216-217,1941)

DESCRIPTION Ground colour red in male, brown to dark grey in female; both wings heavily spotted with black; no marginal lunules or border on hw below;

a large species.

RANGE and This race was originally described from a single male from the Uganda RECORDS side of Mt. Elgon; since then a few females have been taken at Fort

Portal, Kayonza and Bwamba, Western Uganda.

ACRAEA ZETES Linnaeus (Pl.V,fig.2) Linnaeus (Syst. Nat. Ed.10, p.487, 1758)

A common species of savanna and forest edges found in most of the RANGE Ethiopian region.

Ssp. <u>zetes</u> Linnaeus

DESCRIPTION Size large; both wings heavily marked with black, submarginal white lunules on hw below prominent; fw above more or less suffused with black;

ground colour red; black suffusion very heavy in typical form and in f.menippe Drury, less so in f.jalema Godart.

West Africa to the Congo, Uganda and West Kenya. RANGE

RECORDS Kenya Kakamega, Kericho, Elgon, Lugari, Tiriki, Kitale, Kitosh.

Uganda Tororo, Kampala, Kalinzu, Kayonza, Bwamba, Katera, Budongo, Mubende.

Tanganyika Ukerewe Island, Mwangogo.

Ssp. <u>acara</u> Hewitson (Exot. Butt. Acraea 3, 1865)

DESCRIPTION Ground colour brighter red than above; no black suffusion on fw above.

RANGE and South Africa to Tanganyika and Kenya East of the Rift Valley.

RECORDS Common and widely distributed up to 4000 feet, but not more than 200

miles inland in Kenya.

Ssp. rudolfi Eltringham (Trans. Ent. Soc. Lond. 77: 475-504, 1929)

Very similar to above, but ground colour brighter red. DESCRIPTION

RANGE Northern frontier of Kenya and probably extreme N.W. of Uganda.

RECORDS Marsabit, Kulal.

NOTE Specimens from Meru and Njombeni are intermediate between acara and

rudolfi.

ACRAEA CHILO Godman (Pl.V,fig.1)

Godman (Proc.Zool.Soc.Lond.1880.p.184)

Dry bush from N.E.Kenya, Ethiopia, Somaliland and S.Arabia. RANGE

Ssp.<u>chilo</u> Godman

DESCRIPTION Male: Pale red with black spots; a complete series of orange brown

submarginal spots on both wings.

Female: Completely transparent with a few black spots and cream

coloured submarginal spots on hw.

RANGE N.E.Tanganyika and E.Kenya.

Kenya Ngong Escarpment, Yatta, Kibwezi, Voi, Mariakani, Mombasa, Lower Tana, RECORDS

Teita, Taveta, Witu.

Tanqanyika Arusha, lower Pangani.

Ssp.magnifica Carpenter & Jackson (Proc.R.ent.Soc.Lond.(B) 19:97-108,

1950)

DESCRIPTION Larger and brighter than above, with better defined submarginal lunules.

RANGE Northern frontier of Kenya.

RECORDS Marsabit.Kulal. ACRAEA ANEMOSA Hewitson (Pl.V,fig.4) Hewitson (Exot.Butt.Acraea 3, 1865)

RANGE Thorn bush and savanna from South Africa and Angola to Tanganyika and East Kenya. <u>A.welwitschii</u> Rogenhofer (Verh.Zool.-Bot.Ges.Wien 42, p.573,

1892) must be regarded as conspecific with A.anemosa Hew.

Ssp.<u>anemosa</u> Hewitson

DESCRIPTION Fw orange brown with black markings; hw darker with black base and very

broad, unspotted black margin; postdiscal spots absent. S. Africa to Rhodesia, Tanganyika and Eastern Kenya.

RECORDS Kenya Common at the coast and as far inland as Ukambani.

Tanganyika Generally distributed at lower altitudes, but probably

absent from the Western districts.

Ssp. LOBEMBA Eltringham (Trans.Ent.Soc.Lond.1912, p.99)

DESCRIPTION As above, but dark cherry red.

RANGE From Lakes Mweru and Bangweolu in N. Rhodesia to the S.E. Congo and

S.W. Tanganyika.

RECORDS <u>N.Rhodesia-Tanganyika border</u> Kalambo Falls near Southern end of Lake

Tanganyika.

ACRAEA PSEUDOLYCIA Butler (Pl.V,fig.3) Butler (Cist.Ent.1, p.213, 1874)

RANGE Savanna and dry bush from Angola, N.Rhodesia and the S.Congo, to East

Africa, the S.Sudan and Ethiopia.

Ssp.pseudolycia Butler

RANGE Angola.

RANGE

Ssp.astrigera Butler (Proc.Zool.Soc.Lond. 1899, p.421)

DESCRIPTION Very similar to A.anemosa, but has a series of black postdiscal spots in

hw.

RANGE N.Rhodesia, East Africa.

RECORDS Kenya Nairobi, Machakos, Embu, Thika, Makindu, Kericho, Kitui, Meru,

Narok. Kajado.

<u>Uganda</u> Madi Opi (West Nile), Toro, Jinja, Karamoja.

Tanqanyika Mufindi, Rufigi, Njombe, Ukerewe, Ugogo, Uhehe, Usambara,

Rukwa, Mpwapwa, Mhonda.

ACRAEA EGINA Cramer (Pl.V,fig.5) Cramer (Pap, Exot.1, p.64, 1775)

RANGE Forests throughout tropical Africa, as far South as S. Rhodesia and

Mozambique.

Ssp.eqina Cramer

DESCRIPTION Large; male bright red marked with black; distal half of fw suffused

with black; female larger and duller.

RANGE Forest areas from the West Coast to Meru (Kenya) in the North and

Nyasaland in the South.

RECORDS Kenya Thika, Meru, Malaba, Kitale, Elgon, Kakamega, Suna, Sotik.

Uqanda All forest areas up to 6000 feet.

Tanganyika Rukwa, Kalambo Falls, Ukerewe Island, Bukoba, Kungwe

Mahare.

Ssp.areca Mabille (Ann.Soc.Ent.France(6) 8 Bull.,p.169, 1888)

DESCRIPTION Larger than above; ground colour orange brown, no black suffusion on fw.

RANGE S. Rhodesia and Mozambique to the coastal districts of Tanganyika and

Kenya, including Amani and Moshi, where it overlaps the preceding race.

The ssp.harrisoni E. Sharpe (Entomolog.37,p.132, 1904) is treated here NOTE as a varietal form of A.eqina eqina as neither its facies nor its

distribution are sufficiently well defined to warrant subspecific status.

ACRAEA CEPHEUS Linnaeus (Pl.V, fig.11) Linnaeus (Syst.Nat.Ed. 10, p.487, 1758)

Bright red with black markings; much smaller than A.egina; female DESCRIPTION

larger, brown.

Forests from Sierra Leone to the Congo and W. Uganda. RANGE

RECORDS Budongo, Bwamba, Bugoma, Metu, Ara.

The form abdera Hewitson (Exot.Butt.Acraea 1, 1852) which lacks the NOTE

subapical red bar in the fw is dominant in Uganda, and perhaps should be treated as a subspecies.

ACRAEA PETRAEA Boisduval (Pl.V,fig.12) Boisduval (Voyage Deleg. 2, p.589, 1847)

DESCRIPTION Medium sized species; male bright red, heavily marked with black; female

larger, brown, sometimes with a white subapical bar.

RANGE Coastal forests from Natal to Kenya, penetrating inland to S.Rhodesia.

RECORDS Kenya Diani, Rabai, Kwale.

Mtwara, Amani, Dar es Salaam, Kilimanjaro, Mikindani. Tanganyika

ACRAEA ROHLFSI Suffert (Iris, 17, p.124, 1904)

Similar to above, but smaller; lacks submarginal white spots on hw DESCRIPTION

below.

RANGE Known from the unique type specimen only; Ukerewe Island, Lake Victoria,

Tanganyika. It is possible that it is an aberration of A.petraea Bsd.,

in which case Ukerewe would have to be regarded as patria falsa.

ACRAEA GUILLEMEI Oberthür (Études d'Ent. 17, p.19, 1893)

DESCRIPTION Similar to A.petraea, but less heavily marked and ground colour orange

red, not red.

RANGE Savanna; Angola, S. Congo and N. Rhodesia to Nyasaland and S. Tanganyika.

RECORDS "Lake Tanganyika" according to Eltringham; Mpanda (Western Tanganyika

Province).

ACRAEA OMRORA Trimen (Proc.Zool.Soc.Lond. 1894, p.24, note)

Dusky red to reddish grey with black markings; apex of fw black above, DESCRIPTION

spotted with white below.

Brachystegia savanna in Angola, S. Congo and N. Rhodesia. RANGE

RECORDS Not uncommon near Abercorn (N.Rhodesia) and may therefore be expected

to turn up in S.W. Tanganyika.

ACRAEA NOHARA Boisduval (Voy. Deleg. 2,p.590, 1847)

Open country from S.Africa and Mozambique to the Rhodesias, Nyasaland RANGE

and possibly S. Tanganyika.

Ssp.nohara Boisduval

RANGE South Africa. Ssp. <u>punctellata</u> Eltringham (Trans. Ent. Soc. Lond. 1912, p.131)

DESCRIPTION Dull red with black spots; hw margin below narrow, enclosing a series of

rectangular white spots.

RANGE N. Rhodesia, Nyasaland and Tanganyika.

RECORDS <u>Tanganyika</u> Kigonsera (according to Aurivillius in Seitz).

ACRAEA ACRITA Hewitson (Pl.V, fig.8) Hewitson (Exot. Butt. 3, 1865)

RANGE Open country and savanna from the Rhodesias, Mozambique, S. Congo, Nyasa,

Tanganyika, Kenya and Angola.

NOTE Though difficult to separate into local races owing to its extreme

variability and large number of seasonal forms, three fairly distinct

races may be recognised in our area.

Ssp.acrita Hewitson

DESCRIPTION Male brilliant orange red with a black tip and black spots in both wings;

series of postdiscal spots lacking in fw; dry season females like males; in the wet season the female may be all shades of orange brown and occasionally dark grey, sometimes with a whitish subapical band.

RANGE Rhodesia and Mozambique to South, and West Tanganyika and into the Masai

district of S.W. Kenya.

RECORDS Tanganyika Ukerewe Island, Ugalla river, Matumbi, Kilosa; generally

distributed to the South.

Ssp.manca Thurau (Berl.Ent.Ztschr. 48, p.305, 1903)

DESCRIPTION Differs from above in having the black apical area reduced and in

having a series of postdiscal spots in the fw above.

RANGE Central Tanganyika, but overlaps considerably with the preceding race.

RECORDS <u>Tanganyika</u> Babati, Kondoa, Iraku, Itumba, Usagara, Usukuma, Tabora.

Ssp.pudorina Staudinger (Exot. Schmett. 1, p.84, 1885)

DESCRIPTION Smaller than the other races, black markings extremely reduced, ground

colour of male pinkish orange.

RANGE Eastern Kenya and N.E. Tanganyika, but not at the coast.

RECORDS Kenya Chyulu hills, Kibwezi, Emali range, Yatta, Mtito Andei, Teita,

Embu, Dabida.

Tanganyika Moshi.

NOTE The following races of A.acrita have also been described from our area,

but their validity is doubtful:

Ssp.<u>ambigua</u> Trimen (Proc.Zool.Soc. p.70, 1891) from N.W. Rhodesia,

S.W. Africa, Manicaland and the "Tanganyika plateau".

Ssp.<u>littoralis</u> Eltringham (Trans.Ent.Soc.Lond. 1912, p.149) from the

osp.<u>iittoiuito</u>

Tanganyika and Kenya Coast and also from Tabora.

Ssp.<u>taborensis</u> Le Doux (Mitt.Zool.Mus.Berl. 18: 171-225, 1932) from W. Tanganyika and Kivu has a very large apical black area in both sexes

and a pale subapical area in fw.

Ssp.guluensis Le Doux (op. cit., 1932) is a small race with very well

developed black markings, from Gulu in Uganda.

ACRAEA CHAERIBULA Oberthür (Pl.IV, fig.9)

Oberthur (Études d'Entomologie 17, p.19. 1893)

DESCRIPTION Similar to typical <u>A.acrita</u>, but much smaller, black apical area much larger.

RANGE Savanna from N. Rhodesia and the S. Congo to Nyasaland and S. Tanganyika.

RECORDS Occurs in Tanganyika according to Aurivillius in Seitz; not uncommon at

Abercorn, N. Rhodesia (Near the Tanganyika border).

ACRAEA LEUCOPYGA Aurivillius (Ent. Tidskr. 25, p.92f, 32, 1904)

RANGE Savanna and parkland from N. Rhodesia and Nyasaland to S. Tanganyika,

the E. Congo and Uganda.

Ssp.<u>leucopyqa</u> Aurivillius

DESCRIPTION A rather large insect, deep rose pink with small black spots and a small

black apical area in fw; abdomen gleaming white in both sexes.

RANGE N. Rhodesia, Nyasaland and S. Tanganyika; one doubtful record from

Entebbe, Uganda.

RECORDS <u>Tanganyika</u> Songea, Kigonsera, Tunduma.

NOTE This species came to the notice of the author too late to be included

in the Key.

ACRAEA PUDORELLA Aurivillius (Pl.IV,fig.12) Aurivillius (Rhop. Aethiop. p.99, 1896)

RANGE Dry bush country from Nyasaland to Eastern Kenya and Ethiopia.

Ssp.pudorella Aurivillius

DESCRIPTION Medium size; thinly scaled, pale pinkish buff, lightly marked with

black.

RANGE Central Tanganyika to Eastern and S.W. Kenya.

RECORDS Kenya Malindi, Galana river (Thika), Teita, Mutha hill, Makueni,

Mberi (Tana river), Nairobi, Kibwezi, Kisii. <u>Tanganyika</u> Kondoa Irangi, Ugalla river.

Ssp.detecta Neave (Proc.Zool.Soc.Lond. 1910: 1, p.24)

DESCRIPTION Similar to above, but has very large black apical area in fw.

RANGE N. Rhodesia and Nyasaland to S. Tanganyika.

RECORDS <u>Tanganyika</u> Lindi.

ACRAEA CALDARENA Hewitson (Pl.IV,fig.10) Hewitson (Ent. Mon. Mag. 14, p.52, 1877)

RANGE Savanna and open country from Natal to East Africa; common.

Ssp.<u>caldarena</u> Hewitson

DESCRIPTION Very similar to above, but ground colour more pinkish, scale covering

heavier, black markings heavier, black apical area a little more

restricted than in A.pudorella detecta.

RANGE Natal to Western Kenya and Uganda.

RECORDS Kenya West Nandi, Lugari, Kacheleba (Suk), Ravine, Kitosh, Kitale.

Uganda Busoga, Ara (West Nile), Madi Opi.

Tanganyika Ubiquitous in the South and Centre, also on Ukerewe I.

Ssp. NELUSKA Oberthür (Études d'Ent. 3, p.25, 1878)

DESCRIPTION As above, but black apical area much more reduced.

RANGE Coastal areas of Kenya and Tanganyika.
RECORDS Kenya Mtwapa, Vanga, Rabai, Kitale.

Tanganyika Amani, Pugu hill, Kilosa (Morogoro).

ACRAEA SFAESTA s dman (Pl. V, fig.11) Godman (Froc.Z. 1.8 c.Lond. 1885, c.583)

DESCRIPTION Form <u>traesia</u> Waxe: pinkish trown with black spots and a large

semitran garent area in fw; abdomen conspicuously white.

Female: similar to male, but sometimes greyish, abdomen black with white

jots.

Form <u>regalis</u> Oberthür (Études d'Ent. 17, p.20, 1893); somewhat larger than above and lack transparent area in fw. Both forms occur together

throughout the range of the species.

RANGE Dry tush country fr m N.E. Tanganyika to Ethiopia and Somaliland.

RECORDS Kenya Vci, Mariakani, Ngulia, Lower Tana, L. Rudolf, Kibwezi, Chyulu, Teita, L. Jipe, Isiela, Mutha hill, Ngong Escarpment, Magadi, Samburu,

Rabai, Sekoke, S. Kavirondo, Shimba hills, Marsabit, Witu, Malindi,

L. Baringo.

Ugan<u>da</u> [urkana.

Tanganyika Amani, Mazinde, Makonya, Bomboju, Dar es Salaam.

ACRAEA DOUBLEDAYI Suerin & Lefebvre (Voyage Atyssinie 6, p.378, 1849)

RANGE Dry bush in Ethiopia, N. Uganda, S.E. Sudan and Somaliland, with a

distinct race in Arabia.

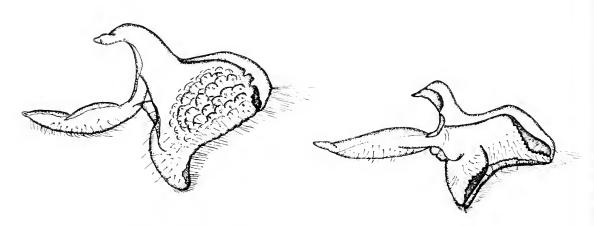
Ssp.doubledayi Guerin & Lofebyre

DESCRIPTION Light red with black spot; discal area of fw greyish and lightly scaled.

Abdomen of male white.

RANGE Somaliland to N. Vganda and the S.E. Sudan.

RECORDS Uganda Madi Opei, L. Altert, Budongo, Mbale, N. Karamoja.



ACRAEA SYKESI: Male Genitalia Side view of left valve.

ACRAEA DOUBLEDAYI: Male Genitalia Side view of left valve.

ACRAEA SYKESI E. Sharpe (P1.IV, fig.16)
Sharpe (Entomologist 35, p.279, 1902)

DESCRIPTION Similar to above, but larger; lightly scaled grey area of fw absent; black intervervular streaks on fw above do not reach margin.

RANGE

Dry bush from Tanganyika to the E. Congo and N. Uganda.

RECORDS

Murchison Falls, Ara (West Nile), Madi Opei, Butiaba, Metu,

W. Madi, Acholi, Entebbe, Wadelai, Budongo, Lake Albert.

Kenya Suna (S. Kavirondo).

Tanganyika Bukoba.

NOTE

This species was once regarded as a southern race of A.doubledayi: however it must be treated as a good species, as the two insects occur together in N. Uganda and there are also considerable genitalial differences. Female form candida Eltringham should be referred to this species.

ACRAEA ONCAEA Hopffer (Pl.IV, fig. 13) Hopffer (Monasb. Ak. Wiss. Berl. 1855, p.640)

DESCRIPTION

RANGE

Smaller than above, internervular streaks not so well developed; female,

reddish brown to grey, sometimes with a subapical white bar. Savanna and dry country from S. Africa to Ethiopia.

RECORDS

Kenya Shimba hills, Namanga, Diani, Embu, Kisumu, Rabai, Sekoke forest, Mongeya Hill.

Tanganyika Amani, Kilosa; ubiquitous in the Brachystegia woodland south of Dodoma.

ACRAEA AEQUATORIALIS Neave (Pl.IV, fig.14) Neave (Nov.Zool. II,p.327,1904)

RANGE

Savanna and bush country in Kenya and Tanganyika.

Ssp.<u>aequatorialis</u> Neave

DESCRIPTION

RANGE

Lightly scaled, pale sandy buff with black spots; female darker.

Kenya west of the Rift Valley and possibly the eastern and southern

shores of Lake Victoria, in Tanganyika.

RECORDS Kenya Kisumu, Tiriki, Busia, S. Kavirondo.

Ssp.<u>anaemia</u> Eltringham (Trans. Ent. Soc. Lond. 1912, p.179)

DESCRIPTION Paler and more lightly scaled than above.

RANGE N.E. Tanganyika and E. Kenya.

RECORDS Chyulu hills, Stony Athi, Magadi, Kikuyu, Marsabit, Kibwezi, Kenya

Makueni, Teita escarpment, Mt Kulal and coastal districts.

Tanganyika Zanzibar, Pemba, Amani.

ACRAEA CAECILIA Fabricius (Pl.V, fig. 7) Fabricius (Spec. Ins. 2, p.34, 1781)

RANGE

Dry bush along the southern edge of the Sahara, from Senegambia to the S. Sudan, Ethiopia and Somaliland, and in the dry areas of Kenya, Uganda and N. Tanganyika.

Ssp.caecilia Fabricius

DESCRIPTION Pale sandy buff with black spots and black apex to fw.

RANGE West Africa to Uganda and W. Kenya.

RECORDS Kitale, Kacheleba, Lugari, Kisumu, Wamia, Kakamega. Kenya

> Uganda Soroti, Chua, Sipi, Obong, Madi Opei, Budongo, Jinja, Bwamba,

Metu, W. Elgon, Ara.

Tanganyika Ukerewe Island.

Ssp.pudora Aurivillius (Sjost. Kilimanj. Exped. Lep., p.4. 1910)

DESCRIPTION More pinkish than above, black tip less developed.

Eastern Kenya and N.E. Tanganyika. RANGE

RECORDS Ngong Escarpment, Embu, Stony Athi, Taveta, Namanga, Kajado,

Kima, Machakos, Lake Baringo.

Tanganyika Kilimanjaro.

Ssp.kulal van Someren (J.E.Afr.Ug.Nat.Hist.Soc. 5-6, 1936)

DESCRIPTION Larger and more heavily marked than other races.

RANGE Northern Frontier of Kenya. RECORDS Mt. Kulal, Mt. Marsabit.

> ACRAEA LYGUS Druce (Pl.IV, fig. 15) Druce (Proc. Zool. Soc. Lond. 1875, p.408)

DESCRIPTION Similar to above, but brighter, dark basal area of fw larger;

postdiscal spots in fw absent. Discal area of hw sometimes whitish in

RANGE Savanna from S. Africa and Angola to Rhodesia and E. Africa in the East,

and the lower Congo in the West.

RECORDS Kenya Taru.

> Tanganyika Saadani.

This species has been confused with A.stenobea Wallengreen (1860), which NOTE

does not occur in East Africa. (See Carpenter in Stylops, vol. I, p. 196,

ACRAEA MARNOIS Rogenhofer (Ann. Mus. Wien. 4,p.552, 1889)

RANGE Known from two males, one from Bahr-el-Seraf in the Sudan and one from

Victoria Nyanza.

DESCRIPTION A medium sized species, warm ochreous orange marked with black rather

like A.nohara.

This species is not included in the key. NOTE

> ACRAEA NATALICA Boisduval (Pl.V, fig. 6) Boisduval (Voy. Deleg. 2, p.590, 1847)

RANGE Common and widespread; savanna and bush throughout most of Ethiopian

region.

Ssp.<u>natalica</u> Boisduval

DESCRIPTION Large; red with heavy black markings; female orange brown to brown or

dark grey.

RANGE S. Africa to Rhodesia, Kenya and Tanganyika.

Common in Kenya from the coast to Nairobi, Thika, and Mt. Kenya; common RECORDS

and widely distributed throughout most of Tanganyika.

Ssp.abadima Ribbe (Iris 2, p.182, 1889)

Smaller and paler than typical race; not so heavily marked. DESCRIPTION

RANGE The central race; Angola, south and east Congo to Uganda, West Kenya

and Ethiopia.

RECORDS Occurs throughout W. Kenya, Uganda and N.W. Tanganyika up to 5000 ft.

ACRAEA ASBOLOPLINTHA Karsch (Pl.IV, fig. 17)

Karsch (Ent. Nachr. 20, p.223, 1894)

RANGE Forests from E. Congo to Uganda and Kenya.

Ssp.asboloplintha Karsch

DESCRIPTION Fw black, hw red in male, red brown in female.

RANGE E. Congo to W. Kenya.

RECORDS Kericho, Kitosh, Kakamega; Sotik, Lugari, Kitale, Elgon. Kenya

Uganda Kayonza, Mafuga forest (Kigezi), Kalinzu, Ndurumu, Mbarara,

Bufumbo, Ruwenzori, Bwamba, Kibale forest, Budongo.

Ssp.rubescens Trimen (Trans.Ent.Soc.Lond. 1908, p.547)

DESCRIPTION As above, but fw has a broad red discal band spotted with black. In the

female the red is replaced by dirty white.

RANGE

Forests from 4000 to 6000 ft. in Kenya, East of the Rift Valley.

RECORDS

Nairobi, Fort Hall, Meru, Nyeri, Uplands.

ACRAEA ANACREON Trimen (Pl.IV, fig. 20) Trimen (Trans. Ent. Soc. Lond. 1869, p.77)

RANGE

Savanna from S. Africa and Angola to E. Africa and the Cameroons.

Ssp.anacreon Trimen

RANGE

S. Africa.

Ssp.bomba Grose-Smith (Ann.Mag.Nat.Hist. (6), 3, p.128, 1898)

DESCRIPTION

Bright orange red with black markings; black apical area of fw usually

entire, sometimes spotted with orange.

RANGE

Brachystegia woodland from S. Rhodesia to Nyasaland, N.Rhodesia and S. Tanganyika; specimens from S. Uganda (Katera to Kayonza) approach

this race.

RECORDS

Tanganyika Sumbawanga, Iringa, Kalambo Falls.

<u>Uganda</u> See above.

Ssp.anacreontica Grose-Smith (Nov. Zool. 5, p.352, 1898)

DESCRIPTION

Smaller and paler than above, with apical area of fw broadly marked

with orange lunules.

RANGE

Kenya West of the Rift Valley and possibly Eastern Uganda.

RECORDS

Kitale, Soy, Mt. Elgon, Lugari, Turbo, Eldoret, Kakamega,

Kericho, and Mara River.

NOTE

A.wiqqinsi Neave (Nov. Zool. II, p.326, 1904) with a more or less pronounced subapical white bar, recorded from Kitale, Lugari, Kitosh,

Toro and Budongo, must be regarded as an individual variant of

A.anacreon, as its male genitalia are identical with those of anacreon and its facies and distribution are consistent with such an interpretation.

Ssp.chyulu van Someren (J.E.Afr.Uq.Nat.Hist.Soc.14; 1-14, 130-151, 1939)

DESCRIPTION

Larger and paler than ssp.anacreontica.

Chyulu hills, in S.E. Kenya.

ACRAEA RAHIRA Boisduval (Pl.IV, fig. 19) Boisduval (Faune Madag., p.33, 1833)

RANGE

RANGE

Swampy areas from S. Africa and Angola to East Africa.

Ssp.<u>rahira</u> Boisduval

DESCRIPTION

Small, bright ochreous yellow with black spots and ends of veins

outlined in black.

RANGE

South Africa to Tanganyika.

RECORDS

Tanqanyika Njombe, Mpanda.

Ssp.uasingishuensis Stoneham (Bull. Stoneham Mus. 45, 1943)

DESCRIPTION

Somewhat larger and considerably paler than above.

RANGE

Uganda and Western Kenya.

RECORDS

<u>Kenya</u> Eldoret, Soy, Kitale, S. Kavirondo.

Katera, Budongo, W. Elgon. <u>Uqanda</u>

ACRAEA ENCEDON Linnaeus (Pl.VI, fig.2)

Linnaeus (Syst. Nat. Ed. 10, p.488, 1758)

DESCRIPTION The typical form is a mullerian mimic of Danaus chrysippus; Form daira Godman & Salvin (Proc. Zool. Soc. Lond. 1884, p.221), lacks the black tip and white subapical bar and is a mimic of D.chrysippus f.dorippus. Form lycoides Le Doux (Acraeen-Studien IV., Mitt.Zool.Berl.17:2,1931),

which has frequently been confused with the W. African species A.lycia Fabricius (Syst. Ent. p.464, 1775), is like the typical form, but the orange brown ground colour is replaced by creamy white, internervular streaks black instead of orange. This species is highly variable and there are a number of other named forms, the majority of which are slight modifications of those mentioned above.

RANGE

Common throughout the Ethiopian region including Madagascar; all types of country with the exception of desert and high mountains. There is a distinct race in Arabia.

ACRAEA GOETZI Thurau (Pl.VI, fig.13) Thurau (Berl. Ent. Ztschr. 48, p.152, 1903)

DESCRIPTION Orange brown above, with black border; below ochreous yellow with bright orange markings in discal area of hw and marginal streaks enclosing small bright orange wedges.

RANGE

Montane forests from Nyasaland, South and West Tanganyika to S.W. Uganda and Ruanda Urundi.

RECORDS

Mafuqa forest (Kiqezi), Kanaba Gap, Bamboo forest (Kiqezi), Bihunge, Kabale-Rutshuru Escarpment.

Njombe Highlands, Mbeya, Poroto Mountains. Tanganyika

ACRAEA EXCELSIOR E. Sharpe (Pl.VI, fig.12) Sharpe (Proc. Zool. Soc. Lond. 1891, p.192)

RANGE

High forest in Nyasaland, Tanganyika and Kenya.

Ssp.excelsior E. Sharpe

DESCRIPTION

Similar to above, basal area of fw above orange brown; subapical bar of fw and hw creamy white.

RANGE

Kenya, Nyasaland and S. Tanganyika.

RECORDS

Kenya Kinangop (Aberdares), Kijabe, Uplands, Moyo Ridge, Nanyuki. Chimala river (E. Pinhey). <u>Tanqanyika</u>

DESCRIPTION

Ssp.usambarae Jackson (Proc. R. Ent. Soc. Lond. (B) 20, 1951) Like typical race, but hw above orange brown from vein 4 to costa;

submarginal lunules better developed on uns and in females.

RANGE

Usambara Mountains in N.E. Tanganyika.

ACRAEA MIRANDA Riley (Pl.IV, fig. 18) Riley (Entomologist, 53: 73-75, 1920)

DESCRIPTION

Orange red above without black spots; a paler subapical area surrounded with black; below, two narrow curved, parallel lines from costa to inner margin.

Desert regions of Kenya, Somaliland and S.E. Ethiopia.

RANGE RECORDS

Kenya Garba-Tula, Garissa, Archer's Post, Muddo-Gashi, Namanga,

Merille (Marsabit Road).

ACRAEA UVUI Grose-Smith (Pl.VI, fig. 10) Grose-Smith (Ann. Mag. Nat. Hist. (6) 5, p.168, 1890)

RANGE

High forests from Angola, the Cameroons, E. Congo and East Africa.

Ssp.uvui Grose-Smith

DESCRIPTION The smallest of the East African Acraea; bright orange brown with a broad black border; basal black area of fw above entire.

RANGE E.Congo and E. Africa. RECORDS

Kenya Nairobi, Kijabe, Embu, Meru, Nyeri, Kakamega, Njombeni, Lumbwa, Elgon, Kapsabet, Kapenguria, Kericho.

Ruwenzori, Kigezi, Kanaba, Fort Portal, Kayonza, Mafuga forest.

Kilimanjaro and probably Mt. Meru. Tanganyika

ACRAEA BONASIA Fabricius (Pl.VI, fig.8) Fabricius (Syst. Ent. p.464, 1775)

RANGE

Forests from Sierra Leone to the Congo, N. Rhodesia, East Africa, and Ethiopia.

Ssp.bonasia Fabricius

DESCRIPTION Larger than A.uvui; orange area of fw invades black basal patch. Forests from West Africa to the Congo, W. Uganda, W. Tanganyika, and N.W. Rhodesia. It is not a very well defined race and it merges very gradually with the following race.

RECORDS

RANGE

Entebbe, Mubende, Kalinzu, Bwamba, Kayonza, Mafuga, Mbarara, Masindi, Fort Portal, Budongo.

Tanganyika Ukerewe Island, N. Rhodesia-Tanganyika border near Abercorn.

Ssp.alicia E. Sharpe (Ann.Mag.Nat. Hist. (6) 5, p.442, 1890)

DESCRIPTION Smaller than above, black markings less extensive, hw often washed with vellow near inner margin.

RANGE

Most forests between 4000 and 6500 ft. in Kenya, E. Uganda and N.E. Tanganyika. Merges very gradually with preceding race in Uganda.

RECORDS

Nairobi, Katamayo, Thika, Nyeri, Embu, Meru, Tiriki, Marsabit, Njombeni, Kapsabet, Sotik, Kakamega, Kapenguria, Elgeyo, Suna, Donyo Sabuk.

Uganda Tororo, Kampala, Jinja.

Tanganyika Kilimanjaro.

ACRAEA BURGESSI Jackson (Pl.VI, fig.6) Jackson (J.E. Afr. Nat. Hist, Soc. 1956)

DESCRIPTION Larger and more brownish than A.bonasia; uns markings pale and rather faint.

RANGE

Only known from high montane forest in S.W. Kigezi.

RECORDS

Uganda Mafuga forest, Rutenga, Ruhisa.

ACRAEA SOTIKENSIS E. Sharpe (Pl.VI, fig. 9) Sharpe (Proc. Zool. Soc. Lond. 1891, p.634)

RANGE

Forests in Angola, the Cameroons, S. Congo, N.W. Rhodesia, E. Africa and Ethiopia.

Ssp. sotikensis E. Sharpe

DESCRIPTION

Bright orange brown with broad black border; form sotikensis has a yellow subapical patch in fw, while in form katana Eltringham (1912, op. cit.) this area is orange brown.

RANGE

N. Rhodesia to W. Tanganyika, W. Kenya and Uganda.

RECORDS

Kenya Sotik, Kitale, Kakamega, Kapsabet, Lumbwa, Elgon, Rongai, Tiriki, Lugari, Mau, Kericho.

Uganda All forests below 6000 feet; ssp.rowena Eltr. occurs as a form in the typical race in Eastern Uganda and becomes gradually more dominant as one proceeds westwards.

Tanganyika Ukerewe Island, Mt. Rungwe (Mbeya).

Ssp.rowena Eltringham (Trans.Ent.Soc.Lond. 1912, p.229)

DESCRIPTION Ochreous yellow washed with orange in the fw and in the cell and costal

areas of hw.

RANGE Eastern Congo, Western Uganda.

RECORDS Ruwenzori, Kalinzu, Fort Portal, Kigezi, Bwamba, Budongo, Kayonza, Mafuga, Mbarara, Bugoma, Masindi, Ndurumu River, Kamengo,

Namuganga.

Ssp.KARSCHI Aurivillius (Rhop. Aethiop. p.106, 1898)

DESCRIPTION

Mainly ochreous yellow.

RANGE

E. Kenya and S. Ethiopia; also occurs in the Cameroons. Kenya Nairobi, Chyulu Hills, Embu, Meru, Thika, Nyeri.

RECORDS NOTE

A.s.karschi has been treated as a distinct species and as a form of A.cabira Hopffer; it must however be assigned to A.sotikensis; the black basal area in the fw above does not form a sharp projection along A2 as

in A.cabira.

ACRAEA CABIRA Hopffer (Pl.VI, fig.7)

Hopffer (Monatsber. Akad. Wiss. Berl. 1855, p.640)

DESCRIPTION

Very similar to A.sotikensis and very variable; may be distinguished from the preceding species by the sharp projection of the black basal area of the fw along A2. Form cabira Hopffer has pale ochreous yellow ground colour and the basal black area of the fw bisected by a pale streak; in form natalensis Staudinger (1896) the black basal patch of the fw is entire: in form biraca Suffert (1904) the pale area invades the lower part of the fw cell and form apecida Oberthür (1893) has the pale

areas partly or completely orange brown.

RANGE

Very common in heavy woodland and fringing forests rather than in true forest. Occurs in most reasonably warm and moist areas from S. Africa, Rhodesia, Mozambique, Nyasaland and the S. Congo to Tanganyika and Kenya. The genitalia of all the forms of the preceding two species are alike

NOTE

and it is possible that they are conspecific; the matter can only be cleared up by extensive breeding of all the forms.

ACRAEA VIVIANA Staudinger (Pl.VI, fig.5) Staudinger (Iris 9, p.204, 1896)

DESCRIPTION Very similar to above, but always pale yellow and the basal black areas much more restricted.

RANGE

Heavy forest from the Cameroons to Uganda and W. Kenya.

RECORDS

Kenya Elgon, Kavirondo.

Uganda Kalinzu, Bwamba, Entebbe, Budongo, Fort Portal, Jinja, Katera, Kayonza, Bugoma, Chagwe, Mawakota.

Tanganyika. Bukoba.

ACRAEA ACERATA Hewitson (Pl.VI, fig.11) Hewitson (Ann. Mag. Nat. Hist. (4), 13, p.381, 1874)

DESCRIPTION

Pale ochreous yellow to orange brown; black border broad and uniform; basal half of cell above black in fw; black basal patch of hw very restricted.

Usually near water; most of Ethiopian region North of the Zambesi and

Cunene rivers. RECORDS

Reasonably moist areas below 6000 ft. throughout East Africa, but

apparently not at the coast.

NOTE

RANGE

This species is sometimes separated into subspecies tenella Rogenhofer (1891) from Kenya and Uganda and Subspecies acerata Hew. from W. Africa to Uganda. However it is unlikely that these two races are more than climatic forms, as there is a considerable amount of overlapping and individual variation and transitional specimens are very frequent.

ACRAEA EPONINA Cramer (Pl.VI, fig.14)

Cramer (Pap. Exot. 1780)

DESCRIPTION Orange brown with complete black border above enclosing a series of

orange spots; marginal band of hw below of uniform width; a very variable species, particularly in the female; a considerable number of forms have

been described and named.

RANGE Very common everywhere in the Ethiopian region, except at high elevations.

NOTE This species was formerly misidentified as A.terpsicore Linnaeus.

ACRAEA VENTURA Hewitson (Pl.VI, fig.15)
Hewitson (Ent. Mon. Mag. 14, p.51, 1887)

DESCRIPTION Similar to the preceding species, but less variable and ground colour

considerably redder; marginal band of hw below of irregular width and

enclosing small orange areas in the internervular spaces.

RANGE Damp grassland near rivers and lakes from N. Rhodesia to Uganda and

W. Kenya.

RECORDS Kenya Soy, Lugari, Malaba, Kisumu, Mau, Eldoret, Kaimosi, Elgeyo.

<u>Uganda</u> Entebbe, Kampala, Sesse Islands, Jinja, Katera, Mbarara, Masaka.

Tanganyika Nkundi (Sumbawanga), Mbeya.

NOTE <u>Acraea ochrascens</u> E. Sharpe (Entomolog. 35, p.41, 1902) must be regarded as a form of <u>A.ventura</u>, as it flies with the typical form on the shores

of Lake Victoria; there is one specimen from that area in the British Museum which is intermediate between the two forms. It differs from the typical form in having a pale ochreous yellow ground colour and less

developed and paler dark markings.

NOTE II Specimens from S. Tanganyika and N. Rhodesia are consistently larger and

more heavily marked and would appear to constitute a distinct race.

ACRAEA RANGATANA Eltringham (Pl.VI, fig.16) Eltringham (Trans. Ent. Soc. Lond. 1912, p.247)

RANGE A very local species found near swamps at high elevations and apparently

confined to Kenya.

Ssp.rangatana Eltringham

DESCRIPTION Very similar to A.ventura, but orange brown washed with ochreous yellow;

black markings on ups heavier and better developed; black and orange

markings below heavier and brighter.

RANGE Swampy ground above 7000 ft. East of the Rift Valley.

RECORDS Thomson's Falls, Ol Joro Orok, Kinangop.

Ssp.ecketti Jackson (Proc.R. Ent. Soc. Lond. (B) 20, 1951)

DESCRIPTION Uniformly rich orange brown, without yellow wash.

RANGE Swampy ground above 7000 ft. West of the Rift Valley.

RECORDS Nandi, Lumbwa, Molo, Timboroa, Soy, Eldoret.

ACRAEA BETTIANA Talbot (Pl.VI, fig.17)
Talbot (Proc. Ent. Soc. Lond. 1921)

DESCRIPTION Very similar to above, but ground colour white

DESCRIPTION Very similar to above, but ground colour white in both sexes.

RANGE A rare species from Ruanda Urundi and Kigezi in S.W. Uganda.

RECORDS <u>Uganda</u> Kanaba, Bihungi (Kigezi), Kibale.

NOTE This insect is very probably a ssp. of A.rangatana.

ACRAEA ALTHOFFI Dewitz (Pl.VI, fig.4) Dewitz (Ent. Nachr. 15, p.102, 1889)

RANGE A highly polymorphic species from the forests of the Cameroons, the Gold Coast, Congo, Uganda and W.Kenya.

Ssp.althoffi Dewitz

DESCRIPTION Larger than the other species of this group; male: fw bright red with black markings; hw white with black margin and basal area. The female may be like the male (form althoffi), or dull ochreous brown with black markings (form telloides) Eltringham, 1912), sometimes with a white subapical bar (form budongoensis Carpenter, 1935), or ochreous yellow with black markings (form ochreata Eltringham 1912), or white and black

(form <u>albicans</u> Stoneham, 1936). Central Congo to Uganda and W. Kenya.

RECORDS <u>Kenya</u> Kakamega, Elgon.

RANGE

Uqanda Budongo, Kampala, Katera, Entebbe, Kamengo, Jinja, Kalinzu, Bugoma. Kibale forest, Kayonza.

Ssp.<u>rubrofasciata</u> Aurivillius (Ent. Tidskr. 16, p.III, 1895)

As above, but ground colour of both wings orange red; sexes alike. DESCRIPTION RANGE Cameroons to N.E. Congo and the Bwamba Valley in Western Uganda.

> ACRAEA PHARSALUS Ward (Pl.VI, fig.3) Ward (Ent. Mon. Mag. 8, p.81, 1871)

RANGE Forests from Sierra Leone to Angola and Mozambique in the South and Kenya and Ethiopia in the North; common.

Ssp.pharsalus Ward

DESCRIPTION Large, bright red in the male, heavily marked with black; prominent black internervular streaks at margin of hw below; fw above suffused with black; a narrow greyish white subapical bar. Female similar, but ground colour duller.

RANGE West Africa to Uganda, W. Kenya and W. Tanganyika. RECORDS Kenya Kakamega, Elgon, Suna (Kisii), Sotik.

All forests below 6000 feet. Uqanda

Mt. Rungwe (Mbeya), Njombe, Mpanda. Tanqanyika

Ssp.pharsaloides Holland (Entomolog. 25, Suppl. p.89, 1892)

DESCRIPTION Ground colour not as bright as in typical form; black suffusion in fw absent; subapical bar larger and red, not whitish.

RANGE N.E. Tanganyika and E. Kenya.

**RECORDS** Kenya Meru, Teita, Njombeni, Nairobi.

Amani, Morogoro, Arusha. Tanganyika

NOTE The form vuilloti Mabille (Ann. Soc. Ent. France (6) 8 Bull. p.170, 1888) is smaller and has a large white area near the inner margin of the hw above; the black markings of the fw are very heavy and coalesce, splitting the red ground colour into distinct patches; the internervular streaks on the hw below are not attenuated proximally, as in the other forms of this species. This form has been recorded from the Tanganyika coast (Amani, Usagara, Bagamoyo), and although treated as a subspecies by Eltringham, it must be regarded as an aberration of the preceding race in view of its extreme rarity and its range, which overlaps that of pharsaloides. It is also possible that vuilloti is a distinct species, but the matter cannot be finally settled with the scanty material available; the genitalia of the only male dissected are very slightly different from those of A.pharsalus.

ACRAEA PERENNA Doubleday & Hewitson (Pl.V, fig.9) Doubleday & Hewitson (Gen. Diurn. Lep. 19, 1847)

RANGE Sierra Leone and Angola to Nyasaland, East Africa and Ethiopia; a common forest species.

Ssp.perenna Doubleday & Hewitson

A large species; fw very elongated; bright red heavily marked with black; DESCRIPTION fw heavily suffused with black; marginal band on hw below encloses series of internervular red spots.

Same as the specific range, but replaced by other races in the Usambara-RANGE Kilimanjaro area of N. Tanganyika, the Kenya Coast, and in Ethiopia.

Kenya Elgon, Kakamega, Lumbwa, Sotik, Meru, Kitosh, Kisii. RECORDS

> All forests below 6000 feet. Uganda Ukerewe Island, Bukoba. Tanganyika

Ssp. thesprio Oberthür (Études d'Entomologie. 17, p.21, 1893)

Larger and paler than the typical form; fw mostly red and lacking black DESCRIPTION suffusion.

Usambara-Kilimanjaro area of N. Tanganyika, Kenya Coast and possibly RANGE

A.p.thesprio occurs as a form throughout the range of typical perenna, NOTE particularly in the Eastern parts of its range; it is only in the area stated above that it becomes sufficiently extreme and dominant to be treated as a subspecies.

> ACRAEA ORINA Hewitson (Pl.VII, fig.1) Hewitson (Ent. Mon. Mag.II, p.130, 1874)

Forests from Sierra Leone to Uganda; the nominate race is West African. RANGE

Ssp.<u>orineta</u> Eltringham (Trans. Ent. Soc. Lond. 1912, p.265)

DESCRIPTION Fw black; cell and all internervular areas bright red; hw bright red with black base and marginal border.

Eastern Congo to Uganda. RANGE

RECORDS Uganda Entebbe, Kampala, Katera, Lake Nabugabo, Bwamba, Jinja, Tororo, Kayonza, Budongo.

ACRAEA PENELEOS Ward (Pl.VII, fig.2) Ward (Ent. Mon. Mag. 8, p.60, 1871)

RANGE Sierra Leone to Angola, East Africa and Ethiopia; the nominate race is West African.

Ssp.pelasqius Grose-Smith (Nov. Zool. 7, p.545, 1900)

DESCRIPTION Fw black, lightly scaled; hyaline areas nearest to hw tinged with red; hw brick red with black base and border; prominent yellow discal band on hw below, female larger and duller.

Cameroons to the Congo and E. Africa.

RECORDS Kenya Tiriki, Kaimosi.

RANGE

Uganda All forests below 6000 feet.

ACRAEA GROSVENORI Eltringham (Pl.VII, fig.4) Eltringham (Trans. Ent. Soc. Lond. 1912, p.276)

Fw above mainly black with hyaline areas very much reduced; hw brick red DESCRIPTION with very narrow black margin.

Heavy forest from the E. Congo to W. Uganda. RANGE

RECORDS Kalinzu, Kayonza, Buhwezu (Ankole), Ndorumu River. ACRAEA PENELOPE Standinger (Pl.VII, fig.3)

Staudinger (Iris 9, p.192, 1896)

RANGE Gold Coast to Uganda and W. Kenya; very common in forest areas.

Ssp. peneloce Staudinger

DESCRIPTION Similar to A.oengless, but smaller; hw below uniformly ochreous yellow; internervular streaks very short, not quite reaching margin. Red areas

reclaced by yellow in female form exalbescens Eltringham 1912.

RANGE Congo and Uganda.

RECORDS Uganda Common in all forests below 6000 feet.

Ssr. vitrea Eltringham (Trans. Ent. Soc. Lond. 1912, p.284)

DESCRIPTION Hyaline areas of fw larger than in typical form; black basal area of hw

smaller, black margin narrower.

RANGE West⊸rn Kenya.

RECORDS Kenya Kakamega, Tiriki, Sotik, Lumbwa, Kisumu, Elgon, Suna (Kisii).

ACRAEA HUMILIS E. Sharpe (Ann. Nat. Hist. (6) 19, 1897)

DESCRIPTION, Completely transparent, with veins and margin outlined by a few grey

scales. Veins RS and MI of hw stalked. Forests in West Kenya and Uganda; rare.

RANGE RECORDS Kenya Nandi, Tiriki.

Jganda Pudongo, Kalinzu, Entebbe, Kayonza, Bwamba, Bugoma, Chaqwe,

Mawakota, Jinja, Nakamunga, Fort Portal, Mafuga forest (Kigezi), W. Elgon.

NOTE This species was confused by Eltringham with form humilis Smith & Kirby

of Acraea prestia Hewitson, and placed in synonymy in his Monograph of the genus Acraea (Trans. Ent. Soc. Lond. 1912). Later he recognised his error and reinstated Acraea humilis Sharpe and changed A.orestia f.humilis

Smith & Kirby to A.orestia f.carpenteri (trans. Ent. Soc. Lond. 1913).

ACRAEA NIEBIAE E. Sharpe (Pl.VII, fig.6)

Sharpe (Ann. Mag. Nat. Hist. (6) 19, p.581, 1897) = <u>A.mairessei</u> Aurivillius (Ent. Tidskr. 25, p.93, 1904)

DESCRIPTION Fw black with white spots; hw yellow with black basal area and margin;

internervular streaks below attenuated distally, failing to reach margin.

RANGE Forests of the Congo and Uganda.

RECORDS Entebbe, Kalinzu, Katera, Kampala, Kayonza, Jinja, Toro, Kamengo. Uqenda

> ACRAEA MELANOXANTHA E. Sharpe (Pl.VII, fig.7) Sharpe (Proc. Zool. Soc. Lond. 1891, p.2)

DESCRIPTION Similar to above, but fw above densely scaled, fw spots yellow and

internervular streaks below very prominent, of even thickness and always

reaching margin.

A very local species from the forests of West Kenya and E. Uganda. RANGE

RECORDS Kenya Elgon, Kitale, Kakamega, North-West Mau, Tiriki, Kagsabet,

Mara River.

Uqanda W. Elgon.

ACRAEA SERVONA Godart (Pl.VII, fig.5) Godart (Enc. Method. Ins. 9, p.239, 1819)

Common in forests from Nigeria and Angola to East Africa and Ethiopia. RAIVIE

Ssp.<u>servona</u> Godart

OISCRIPTION Fw blackish with all internervular spaces hyaline and tinged with white;

hw rale yellow with black base and margin; pale greyish yellow below with

narrow but well defined internervular streaks always reaching margin.

RANGE West Africa to West Uganda.

RECORDS Uganda Masindi, Bugoma, Budongo, Bwamba.

Ssp.rhodina Rothschild & Jordan (Nov. Zool. 12, p.184, 1905)

DESCRIPTION Similar to above, but marginal band below orange brown.

RANGE West Kenya, East Uganda and Ethiopia.

RECORDS Kenya Tiriki, Kakamega, Nandi, Kitosh, Kaimosi.

Uganda All forests below 6000 feet in the East and Centre.

Ssp.kenya van Someren & Rogers (J.E. Afr. Ug. Nat. Hist. Soc. 1926)
DESCRIPTION Similar to above, but hyaline areas of fw more restricted and whiter.

RANGE Meru, on the North-East slopes of Mt. Kenya, Njombeni Hills.

Ssp.<u>orientis</u> Aurivillius (Ent. Tidskr. 25, p.94, 1904)

DESCRIPTION As above, but marginal band below pale greyish yellow, not orange brown.

RANGE South-East Kenya and North-East Tanganyika.

RECORDS <u>Kenya</u> Teita.

Tanganyika Amani, Morogoro, Dar es Salaam (Eltringham), Moshi.

ACRAEA OREAS E.Sharpe (Pl.VII, fig.8) Sharpe (Proc. Zool. Soc. Lond. 1891, p. 193)

DESCRIPTION Black with pale yellow markings; scale covering normal; no black spots

in cell of hw below.

RANGE Forests above 5000 ft. in East Africa and in the Eastern Congo;

represented by a distinct race in the S.Congo and Angola.

RECORDS <u>Kenya</u> Kitale, Elgon, Kakamega (very common), Thomson's Falls, Subukia,

Nakuru, Lumbwa, Sotik, Soy, Kericho, Elgeyo, Mara River.

<u>Uganda</u> Entebbe, Mbale, Fort Portal, Kayonza, Mafuga, Ruwenzori,

Mt. Rom (Acholi), Mt. Kadam.

Tanganyika Lake Duluti, Lyamungu, Ukerewe Island.

ACRAEA SEMIVITREA Aurivillius (Pl.VII, fig.9) Aurivillius (Ent. Tidskr. 4, p.226, 1895)

DESCRIPTION Fw completely transparent with black border; hw pale yellow with black

border and large transparent area between centre of wing and costa.

RANGE Forests from the Congo to W. Kenya.
RECORDS Kenya Kakamega, Tiriki, Kaimosi.

Uganda Busia, Katera, Kayonza, Kamengo, Mbale, Bwamba, Fort Portal,

Entebbe, Kalinzu, Budongo, Mbarara, Jinja.

ACRAEA CONRADTI Oberthür (Pl.VII, fig. 10)
Oberthür (Études d'Entomologie 17, p.22, 1893)

RANGE Forests from S. Rhodesia and Nyasaland to Tanganyika and S.E. Kenya.

Ssp.<u>conradti</u> Oberthür

DESCRIPTION Fw orange brown with black margin and black apical area enclosing

whitish subapical bar; hw orange brown with black margin and numerous black spots near base; ground colour of female occasionally ochreous

yellow.

RANGE Tanganyika and S.E. Kenya. RECORDS Kenya Teita hills, Bura.

<u>Tanganyika</u> Amani, Tengeru (Arusha).

ACRAEA IGOLA Trimen (Pl.VII, fig.12)
Trimen (South African Butterflies, 3, p.379, 1889)

DESCRIPTION Basal half of fw thinly scaled; orange brown, apical half transparent with veins outlined in black. Hw orange brown with black spots, but no black basal area; both wings bordered with black. Veins on hw below black, internervular streaks absent. Female form maculiventris Smith & Kirby, 1894, has pale ochreous yellow ground colour.

Forests from Natal to N.E. Tanganyika.

RECORDS <u>Tanganyika</u> Amani, Morogoro.

RANGE

RANGE

ACRAEA AUBYNI Eltringham (Pl.VII, fig.11) Eltringham (Trans. Ent. Soc. Lond. 1912, p.304)

DESCRIPTION Similar to above, but larger and redder; internervular streaks below present, but short and failing to reach the margin.

RANGE Coastal forests of Kenya.

RECORDS Kenya Kwale, Diani, Rabai, Sekoke, Mrima Hill, Gazi.

ACRAEA QUIRINALIS Grose-Smith (Pl.VI, fig.19) Grose-Smith (Nov. Zool.7, p.544, 1900)

DESCRIPTION Similar to A.igola, but smaller and more lightly scaled; marginal border grey; internervular streaks very faint, hw quadrate.

RANGE Forests from the Eastern Congo to W. Kenya and Tanganyika.

RECORDS Kenya Tiriki, Kakamega.

<u>Uganda</u> Bwamba, Kampala, Entebbe, Toro, Kalinzu, Kayonza, Katera, Tororo, Kibale forest, Chagwe, Malange, Mabira forest, Budongo, Bugoma, W. Elgon. <u>Tanganyika</u> Usukuma (according to Eltringham).

ACRAEA ORESTIA Hewitson (Pl.VI, fig.20) Hewitson (Ent. Mon. Mag. II, p.131, 1874)

RANGE Forests from Nigeria and Angola to East Africa.

Ssp.orestia Hewitson

DESCRIPTION Similar to A.quirinalis, but smaller; hw rounded, not quadrate. Very variable; form transita Eltringham 1912 has orange brown areas replaced by ochreous yellow; f.carpenteri Eltr. 1913 is mainly transparent and superficially very similar to Acraea humilis E. Sharpe.

West Africa to Uganda and West Kenya.

RECORDS Kenya Tiriki, Kakamega, Kericho, Sotik, Kaimosi.

Uganda All forests up to 6000 ft.

Ssp.SAMBAR Stoneham (Bull. Stoneham Mus. 45, 1943)

DESCRIPTION Similar to the typical race, but ground colour pale ochreous yellow;

marginal band a little narrower.

RANGE Known from the Usambara mountains in N. Tanganyika only.

NOTE There is also an unnamed form of this subspecies from the same locality which has the usual orange brown ground colour. This race was originally described as a good species, but its facies, genitalia and distribution leave little doubt that it must be a race of A.orestia.

reave little doubt that it must be a race of A.ore

ACRAEA CINEREA Neave (Pl.VI, fig.18) Neave (Nov. Zool.II, p.325, 1904)

DESCRIPTION A small species; fw transparent, tipped and bordered with pale grey; hw uniformly sooty grey; the form <u>alberta</u> Eltringham 1911 has a large dark red area in the hw.

RANGE Forests of Uganda and W. Kenya. Sometimes exceedingly common.

RECORDS

Kenya Tiriki, Kakamega, Kisumu, Kaimosi.

<u>Uganda</u> Kampala, Entebbe, Toro, Kalinzu, Kayonza, Katera, Tororo, Chagwe, Mulange.

ACRAEA BAXTERI E.Sharpe (Pl.IV, fig.8) Sharpe (Entomolog. 35, p.40, 1902)

DESCRIPTION

Fw thinly scaled, blackish with three subapical transparent spots and red at the base; hw red with large rounded blackish basal area and narrow black margin.

RANGE

High forest from Nyasaland to Kenya.

RECORDS

Kenya Cherangani hills, Mt. Kenya, Kikuyu escarpment, Chyulu hills, Sotik, Aberdares, Teita hills, Mt. Nyiro, Mt. Kulal, Kiptiget. Tanganyika Kilimanjaro, Usambaras, Mpwapwa, (type locality), Poroto Mountains.

NOTE

A number of form names are available for this species, but in view of the scarcity of material and inaccessibility of type specimens, it is not possible to decide which, if any of the named forms should be given subspecific status, nor is it possible to determine the distribution of such races as may exist. Specimens from the Poroto Mountains in S. Tanganyika are very much darker than others and appear to constitute a well defined race; unfortunately no existing name can be applied to them with any degree of certainty.

The following form names are available for this species:

subsquamia Thurau 1903; fulleborni Thurau 1903; philos Le Cerf 1933;

lutea Carpenter & Jackson 1950.

ACRAEA AMICITIAE Heron (Pl.VI, fig.1) Heron (Trans. Zool. Soc. Lond. 19, p.148, 1909)

RANGE

Montane forest in Ruanda Urundi, Kigezi and Ruwenzori.

Ssp.amicitiae Heron

DESCRIPTION

A very distinctive species, as shown by the figure; ground colour brick red with black markings and a subapical bar, hyaline tinged with red.

RANGE

RECORDS

Namwambe Valley (Kilembe), Fort Portal, Bwamba Pass, Humia Valley.

DESCRIPTION

Ssp.polychroma Rebel (Ann.d.k.k. Natur.Hofmus.Wien. p.410,t.14,f.3 1910) As above, but hyaline areas not mixed with red. Female form flaving

Jackson 1956 has red areas replaced by pale ochreous yellow.

RANGE

Kivu area in the E. Congo and Kigezi in Uganda.

RECORDS

Uganda Mafuga forest, Rutenga, Ruhisa, Mitano Gorge, Kayonza.

ACRAEA ANSORGEI Grose-Smith (Pl.VIII, figs.11 & 12) Grose-Smith (Nov. Zool. 5, p.351, 1898)

DESCRIPTION A small and extremely polymorphic species; the majority of the forms fall into two groups: group A with a complete black border to both wings and group B with black border reduced in the fw and absent in hw. Some of the more distinct forms are described below.

Group A (mostly males).

f.conjuncta Grose-Smith 1898. All light areas tawny orange. f.<u>silacea</u> Eltringham 1912. All light areas pale ochreous.

f.pica Eltringham 1912 . All light areas white.

f.<u>mutata</u> Eltringham 1912. Light areas white in fw, ochreous in hw. f.lutealba Eltringham 1912. Light areas orange red in fw, white in hw. f.chrysippoides van Someren 1936. Subapical spots white; rest of light

markings orange brown.

Group B (mostly females)

f.ansorgei Grose-Smith 1898.

f. jeffreyi Bryk 1925.

f.vansomereni Bryk 1931.

f.paulinae Bryk 1931.

f.uniformis Gabriel 1949.

Pale areas tawny.

All pale areas creamy white.

Pale areas of fw tawny orange, hw creamy

white.

Subapical spots white, other light areas of fw creamy yellow. Hw tawny orange.

Pale areas ochreous orange, dark areas very faint.

The following forms should also be mentioned:

aurivilliana Bryk 1925, loveni Bryk 1925, bryki Le Doux 1931,

interrupta Eltringham 1912, rufoniger van Someren 1936, <u>luteflava</u> van Someren 1936, <u>tricolor</u> van Someren 1936.

RANGE

Montane forests of East Africa.

RECORDS Uplands, Aberdares, Kericho, Elgon, Limuru, Kitale, Soy, Tuso

river, Nandi, Sotik, Mara river, Kiptiget, Elgeyo.

Uganda Kilembe, Toro, Kigezi, Kalinzu, Ruwenzori, Mbale.

Tanganyika Ihoho forest, Poroto mountains.

NOTE Specimens from S. Tanganyika are larger and may constitute a distinct

race; more material is required to settle the matter.

<u>ACRAEA DISJUNCTA</u> Grose-Smith (Pl.VIII, fig.5) Grose-Smith (Nov. Zool. 5, p.351, 1898)

RANGE

Forests in W. Kenya and Uganda.

Ssp.disjuncta Grose-Smith

DESCRIPTION Pale mustard yellow bordered with black; cell of fw black; a black streak joins end of cell with outer margin, bisecting pale area into a subapical

and an inner marginal area.

RANGE West Kenya and Uganda, but not Kigezi and Toro.

RECORDS Kenya Kakamega, Sotik, Kericho, Soy, Elgon, Kaimosi, Suna, Tiriki.

> Uqanda Mabira forest, Mbale, Katera.

Ssp.kiqeziensis Jackson (J.E.Afr. Nat. Hist. Soc. 1956)

DESCRIPTION: Larger than typical race, margin broader.

RANGE Apparently confined to the forests of S.W. Kigezi and Toro.

RECORDS - Mafuga forest, Kayonza, Rutenga (Kigezi), Bwamba, Mpanga forest

(Toro), Ruwenzori.

ACRAEA ALCIOPOIDES Joicey & Talbot (Pl.VIII, fig. 6) Joicey & Talbot (Bull. Hill. Mus. 6: 44-118, 1921)

DESCRIPTION Similar to above, but paler; yellow areas of fa not split in two, but

entire; marginal band narrower, cell of fw mainly yellow.

RALGE

Forests of the E. Congo and Uganda.

RECORDS

Uganda Kalinzu, Kayonza, Mbale, Katera, Fort Portal, Kibale forest,

Budongo, Bugoma, Bwamba.

NOTE

Though this species was originally described as a race of the preceding, the genitalia of the two insects are sufficiently different to indicate specific distinction. (See T.H.E. Jackson, Proc.R.Ent.Soc.Lond.(B)20,

1951).

ACRAEA ALCIOPE Hewitson (Pl.VIII, figs.1 & 2)

Hewitson (Exot. Butt. Acraea, 1, 1852)

RANGE

Common in forests from the Ivory Coast and Angola to Uganda, W. Kenya and Ethiopia.

Ssp.<u>alciope</u> Hewitson

DESCRIPTION Male: bright ochreous orange yellow with a black margin and broad black

streak occupying cell of fw; yellow area of fw continuous as in A.alciopoides. Female highly polymorphic and mimetic. In the typical female form the light areas of both wings are orange brown; in female form aurivillii Staudinger 1896 the fw has an orange band and the hw a white median band thus resembling several species of Bematistes; in the

female form tella Eltringham 1912 the fw is orange and black, the hw orange brown.

RANGE The specific range, excluding Ethiopia.

RECORDS Kenya Malaba forest, Kakamega.

Uganda All forests below 6000 feet; particularly common in the West.

ACRAEA JODUTTA Fabricius (Pl.VIII, fig.3) Fabricius (Ent. Syst. 3; I, p.175, 1793)

RANGE Very common in forests from Senegal to Uganda and W. Kenya with a distinct race in Ethiopia.

Ssp. jodutta Fabricius

DESCRIPTION Male constant and very much like a large edition of A.disjuncta. Female very variable; in the typical female the light areas are white. In

female form <u>dorotheae</u> E. Sharpe 1902 the subapical bar is yellow to white, rest of pale areas orange brown. In female form <u>interjecta</u> Eltringham 1912 the subapical band is white, the inner marginal area of fw ochreous and much reduced and the pale band of the hw ochreous yellow

proximally, suffused with dark orange brown distally.

RANGE West Africa to Uganda and W. Kenya. RECORDS Kenya Kakamega, Elgon, Suna (Kisii).

Uganda Very common in most forest areas below 6000 ft.

ACRAEA ESEBRIA Hewitson (Pl.VIII, fig.4) Hewitson (Exot. Butt. Acraea 2, 1861)

DESCRIPTION Closely related to A.jodutta, but exceedingly variable in both sexes.

Form <u>esebria</u> has the subapical bar yellow to white, remainder of pale areas orange brown. In the form <u>protea</u> Trimen 1866 the pale areas are pale greyish yellow and very much reduced; in the form <u>jacksoni</u> E.Sharpe 1890 all the light areas are orange brown; in the form <u>monteironis</u>

Butler 1874 all the pale areas are pale yellow to white.

RANGE A very common species of true forest and riverine forest; S.Africa and Angola to Tanganyika and Kenya. Occurs all over Kenya and Tanganyika East of the Rift Valley at all elevations up to 6000 ft. The only

East of the Rift Valley at all elevations up to 6000 ft. The only available records west of the Rift Valley are Ukerewe Island, in the Tanganyika portion of Lake Victoria and Suna (Kisii), in the extreme South-West of Kenya; van Someren records this species from Jinja and

W. Elgon, in Uganda.

ACRAEA LYCOA Godart (Pl.VIII, fig.7)
Godart (Enc. Method. Ins. 9, p.239, 1819)

RANGE A common forest species; Sierra Leone to Kenya, N. Tanganyika and Ethiopia (ssp.aequalis R. & J.). The nominate race ranges from Sierra

Leone to the Cameroons.

Ssp.media Eltringham (Trans. Ent. Soc. Lond. 1911, p.12)

DESCRIPTION Both sexes thinly scaled in both wings; male very pale brown with indistinct paler spots in fw, no pale areas in hw, female blackish grey

with blurred spots in fw and small white basal area in hw.

RANGE Cameroons to extreme West of Uganda.

RECORDS Uqanda Bwamba Valley, Kayonza.

Ssp.bukoba Eltringham (Frans. Ent. Soc. Lond. 1911, p.12)

DESCRIPTION Male: ground colour olive brown with pale ochreous spots smaller and better defined than above; a rather small and indistinct ochreous basal area in hw. Female: ground colour darker than in female media; white spots well defined; white basal area of hw larger and better defined.

Ruanda Urundi, N.W. Tanganyika and S. Uganda.

RANGE

RECORDS Uganda Kalinzu , Budongo, Katera.

Tanganyika Bukoba.

Ssp.<u>entebbia</u> Eltringham (Trans. Ent. Soc. Lond. 1911, p.12)

Male: ground colour dusky ochreous grey; spots of fw small, pale area of DESCRIPTION hw reduced. Female: very dark, spots smaller and sharper, pale patch of

hw small and yellowish.

RANGE Common in forests throughout central and eastern Uganda, merging with the

following race in the East.

Ssp. tirika Eltringham (Trans. Ent. Soc. Lond. 1911, p.13)

DESCRIPTION Male: similar to above, but ground colour warm olive brown, spots smaller and very distinct; pale area of hw very large, pale ochreous, surrounded by broad tawny brown marginal border. Female: very dark, with small fw spots; pale area of hw small and more decidedly yellow than above.

RANGE Kenya west of the Rift Valley.

RECORDS Kenya Kakamega, Sotik, Kitale, Tiriki, Busia.

Ssp.fallax Rogenhofer (Ann. Mus. Wien. 6, p.459, 1891)

DESCRIPTION Smaller than previous races; ground colour black in both sexes, pale area of hw large, well defined, pale yellow; fw spots yellow in male, white in female; basal area in hw below bright ochroeus yellow, not extending

beyond sub-basal spots.

RANGE Kilimanjaro-Meru area in N. Tanganyika.

RECORDS Marangu, Tengeru, Arusha.

Ssp.kenia Eltringham (Trans. Ent. Soc. Lond. 1911, p.13)

DESCRIPTION Very similar to above, but uns darker; basal area of hw below red brown,

extending beyond sub-basal spots along costa.

Kenya Highlands East of the Rift Valley. RANGE

RECORDS Kenya Nairobi, Nyeri, Embu, Meru, Aberdares, Kikuyu, Escarpment,

Njombeni, Rabai.

ACRAEA JOHNSTONI Godman (Pl. VIII, figs. 8 & 9)

RANGE Godman (Proc. Zool. Soc. Lond. 1885, p.537)

RANGE A very variable forest butterfly; Mashonaland to Kenya, Uganda and

Ethiopia.

Ssp.<u>johnstoni</u> Godman

DESCRIPTION Form confusa Rogenhofer 1891: the commonest form; fw spots white, hw pale yellow; can be separated from the eastern races of the preceding species by the quadrate, not rounded shape of the pale patch in the hw; this is

a feature common to most forms of johnstoni.

Form flavescens Oberthür 1893: similar to above, but fw spots pale yellow.

Form valdemaculosa Carpenter 1932: all pale markings white.

Form semialbescens Oberthür 1893: spots of fw white, patch of hw tawny.

Form <u>pretiosa</u> Carpenter 1932: fw spots white surrounded by tawny areas; hw tawny, black border reduced or absent, replaced by series of black internervular streaks.

Form  $\underline{\text{octobalia}}$  Karsch 1894: like above, but more extreme; orange brown invades black marginal areas and white spots of fw, reducing them to mere traces.

Form <u>johnstoni</u> Godman: fw black at base, apex and margin; central area of fw orange brown, pale spots distinct, white with ochreous wash; hw white with usual black border.

RANGE Mashonaland to Ethiopia, but not in W. Uganda; all forest areas between 3000 and 7000 feet.

Ssp.<u>butleri</u> Aurivillius (Rhop. Aethiop. p.115, 1898)

DESCRIPTION Basal area of fw reddish brown, pale spots more or less confluent, orange; hw tawny with black margin; a very convincing mimic of

Bematistes quadricolor.

RANGE West Uganda and the Kivu area in the Congo.

RECORDS <u>Uganda</u> Kilembe (Ruwenzori), Kayonza, Kalinzu, Mafuga forest, Fort Portal, Kanaba Gap, Bwamba.

## Genus PARDOPSIS Trimen 1887

A rather aberrant genus which differs from <u>Acraea</u> in the length and extreme position of the fore-wing cell. Ml and M2 of the forewing have a common origin. The early stages are of typical Acraeine structure and appearance. A single species is known.

PARDOPSIS PUNCTATISSIMA Boisduval (P1.VIII, fig.12)
Boisduval (Faune Madag. p.31, 1833)

DESCRIPTION A small species: pale yellowish brown with numerous black dots, a black

tip to the fw and a narrow border to the hw.

RANGE Dry bush country and savanna throughout the Ethiopian region, including Madagascar. Occurs all over East Africa in suitable localities, not usually above 6000 feet.

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